

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.





2 HV 4701

AS4

Information Resources for Ferrets



July 2002

September 1991 - July 2002



USDA
NATIONAL AGRICULTURAL LIBRARY
2002 6423 A 12: 5b

U.S. SERIALS SECTION

AWIC Resource Series No. 15

United States
Department of
Agriculture

Agricultural
Research
Service

National
Agricultural
Library

Animal Welfare
Information
Center

July 2002

Information Resources for Ferrets

September 1991 - July 2002

AWIC Resource Series No. 15

*Updates - Ferrets as Laboratory Animals:
A Bibliography, September 1991*

Compiled by:

Richard L. Crawford, D.V.M.
D'Anna Jensen, B.S., LATG
Tim Allen, M.S.

Animal Welfare Information Center
National Agricultural Library
U.S. Department of Agriculture

Published by:

U. S. Department of Agriculture
Agricultural Research Service
National Agricultural Library
Animal Welfare Information Center
Beltsville, Maryland 20705
E-mail: awic@nal.usda.gov
Web site: www.nal.usda.gov/awic

National Agricultural Library Cataloging Record:

Crawford, Richard L.

Information resources for ferrets.

(AWIC resource series; no. 15)

1. Ferret-Bibliography. 2. Ferret-Information resources. I. Jensen, D'Anna J. B.

II. Allen, Tim (John Timothy) III. Animal Welfare Information Center (U.S.) IV.

Title.

aHV4701.A94 no.15

Disclaimers

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, sex, religion, age, disability, political beliefs, sexual orientation, or marital or family status. (Not all prohibited bases apply to all programs.) Persons with disabilities who require alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write USDA, Office of Civil Rights, Room 326-W, Whitten Building, 1400 Independence Avenue, SW, Washington, D.C. 20250-9410 or call (202) 720-5964 (voice and TDD). USDA is an equal opportunity provider and employer.

The use of trade, firm, or corporation names in this publication (or page) is for the information and convenience of the reader. Such use does not constitute an official endorsement or approval by the United States Department of Agriculture or the Agricultural Research Service of any product or service to the exclusion of others that may be suitable.

Materials appearing in this publication do not necessarily represent positions or policies of the U.S. Department of Agriculture or any agencies thereof.

PREFACE

The ferret (*Mustela putorius*) has become a fairly ubiquitous animal and is used or kept under various conditions. Ferrets are commonly kept as pets in the United States and are often exhibited in zoos for public viewing. Ferrets are also used in many areas of research. Ferrets share many anatomical, metabolic and physiologic features with humans which has promoted their use as an animal model. They are also used in a wide variety of research studies and demonstrations of medical procedures. Additional uses for them in research are constantly being found.

The references, citations and articles on ferrets in various databases is quite numerous and it is not practical to list all references found in various database searches. This bibliography contains “selected” literature citations on the ferret, covering a wide range of topics, from 6 different databases. When available, the NAL call number is provided for materials located at the National Agricultural Library. Selected web sites on ferrets are also included at the end of this publication.

This publication is a supplement to the following documents previously published by USDA, NAL, AWIC: (1) *Ferrets as Laboratory Animals: A Bibliography. September 1991.* (2) *Environmental Enrichment Information Resources for Laboratory Animals 1965-1995: Birds, Cats, dogs, Farm Animals, Ferrets, Rabbits & Rodents (AWIC Series no. 2).* These, and other publications, may be found on the AWIC web site at: www.nal.usda.gov/awic/pubs/awicpubs.htm

TABLE OF CONTENTS

General	1 - 5
Anatomy	5 - 6
Anesthesia / Analgesia	7 - 10
Animal Models	10 - 14
Auditory / Hearing	14 - 16
Bacteria	16
Biology	16 - 17
Black-footed Ferrets	18 - 20
Care / Housing	20 - 21
Circulatory / Cardiovascular	22 - 30
Dental	30 - 32
Digestive System	32 - 36
Diseases	36 - 48
Emesis	48 - 50
Enrichment	50 - 51
Feeding / Nutrition / Metabolism	51 - 54
Neoplasia / Tumors	54 - 61
Neurological / Nervous System	62 - 74
Parasites	74 - 77
Renal / Urinary	77 - 78
Reproductive	78 - 85
Research	85 - 95
Respiratory	95 - 98
Veterinary	99 - 105
Viruses	105 - 107
Selected Ferret Web Sites	108 - 109
Document Delivery Information	111 - 116

GENERAL

101 Facts About Ferrets. 2002. 101 Facts About Pets Serv. Milwaukee: Gareth-Stevens Inc. ISBN: 0836830164.

Ferret Facts and Fancies. (To be published). Harding, A.R. Columbus: A.R. Harding Publishing Co. 214 p. ill. ISBN: 0936622040.

Ferrets. 2001. Dustman, Karen Dale. Irvine: BowTie Press. Sept. 2001. ISBN: 1889540714.

Ferrets. 2001. Stone, Lynn M. Vero Beach: Rourke Publishing Co. July 2001. 24 p. ill. ISBN: 1589520386.

The Ferret Handbook. 2001. Bucsis, Gerry; Somerville, Barbara. Hauppauge: Barron's Educational Series Inc. Jan. 2001. 167 p. ill. ISBN: 0764113232.

Ferret. 2000. Pet Owner's Guide Ser. Kelsey-Wood, Dennis. Lydney: Ringpressooks Ltd. Sept. 2000. ill. ISBN: 1860541356.

Ferrets for Dummies. 2000. Schilling, Kim. Indianapolis: Hungry Minds Inc. Sept. 2000. 370 p. ill. ISBN: 0764552597.

Ferrets: Everything About Purchase, Care, Nutrition, Disease, Behavior and Breeding. 2000. Morton, E. Lynn; Morton, Chuck Hauppauge: Barron's Educational Series Inc. Aug. 2000. 95 p. ill. ISBN: 0764110500.

Ferret Fun. Animal Ark Pets Ser.: vol 14. Baglio, Ben M. New York: Scholastic Inc. Dec. 2000. 144 p. ill. ISBN: 0439230233.

Ferret Husbandry Medicine and Surgery. 2000. Lewington, John Henry. Woburn: Butterworth-Heinemann. Oct. 2000. Viii, 289 p. ill. ISBN: 0750642513.

Keeping Ferrets. 2000. French, Eric. Neptune: T.F.H. Publications, Inc. Mar. 2000. 64 p. ill. ISBN: 0793830559.

The Wit and Wisdom of the Modern Ferrets: A Ferret's Perspective on Ferret Care. 2000. Shefferman, Mary R.; Shefferman, Eric. Smithtown: Crunchy Concepts Inc. Jun. 2000. 160 p. ill. ISBN: 0966707303.

All About Ferrets: Animal Care Booklet. 1999. Mathews, Danzer R.; (Ed.). Hollywood: Dimefast Ltd. Nov. 1999. Ill. ISBN: 1888417706.

All About Your Ferret. 1999. All About Your Serv. Crompton, Sheila. Hauppauge: Barron's Educational series, Inc, Oct. 1999. 31 p. ill. ISBN: 0764111892.

Choosing a small mammal: All about hamsters, ferrets, guinea pigs, sugar gliders, rabbits and more. 1999. Kelsey Wood, Dennis. Neptune City, N.J.: T.F.H. Publications, 1999, 64 p. ill. col.

ISBN: 0793830192.
NAL call no: SF413.K46 1999
Descriptors: pets, mammals.

Ferret. 1999. Essential Ser. Siino, Betsy Sikora (Ed.). Indianapolis: Hungry Minds Inc. May 1999. 96 p. ill. ISBN: 1582450781.

Ferrets. 1999. Schilling, Kim. Indianapolis: Hungry Minds inc. Nov. 1999. ISBN: 1582451451.

Ferrets. 1999. Hillyer, E.V.; Brown, S.A.; Birchard, S.J. (Ed.); Sherding, R.G. *Saunders Manual of Small Animal Practice*, 1999, Ed. 2. p. 1464-1492. ref. W.B. Saunders, Philadelphia, PA.
Descriptors: restraint, anaesthesia, fluid therapy, IV injections, diseases, vaccination.

Ferrets: Health, Husbandry and Diseases. 1999. Lloyd, Maggie. Oxford: Blackwell Science Ltd. 1999. 198 p. ill. ISBN: 0632051787.
NAL call no: SF997.5.F47 L58 1999
Descriptors: ferret, diseases, health.

The ferret. 1999. Moorman, Roest J. *Tijdschrift voor Diergeneeskunde*, 1999, v. 124 (20), p. 597-599.
ISSN: 0040-7453.
Language: Dutch.
Descriptors: housing, nutrition, reproduction, diagnosis, anesthesia, surgery.

The Wonderful World of Ferrets. 1999. Indianapolis: Hungry Minds Inc. Jan. 1999. 260 p. ISBN: 0876052022.

Ferrets. 1998. Berendes, Mary. Chanhassen: Child's World Inc. Mar. 1998. 23 p. ill. ISBN: 1567664776.

Ferrets! 1998. Dustman, Karen D.; Stockdale, Renee. Irvine: BowTie Press. Jan. 1998. 112 p. ill. ISBN: 1889540005.

Ferrets As a Hobby. 1998. Field, Mary. Neptune: T.F.H. Publications Inc. Jul. 1998. 96 p. ill. ISBN: 0866224726.

A clinical guide to the pet ferret. 1997. Ryland, L.M.; Bernard, S.L.; Gorham, J.R. *Practical Exotic Animal Medicine*, Trenton, N.J.: Veterinary Learning Systems, 1997, p. 122-129, 155. ISBN: 1884254330.
NAL call no: SF981.P72 1997
Descriptors: ferrets, pets, care, veterinary medicine.

Ferrets: A Selective Overview of Issues and Options. 1997. Umbach, Kenneth W. Sacramento: California Research Bureau. May 1997. 9 p. ISBN: 1587030667.

Ferrets Today: A Complete and Up-to-Date Guide. 1997. Field, Mary. Broomall: Chelsea House Publishers. Apr. 1997. 76 p. ill. ISBN: 0791046079.

Guide to Training Your Pet Ferret. 1997. Bucsis, Gerry. Hauppauge: Barron's Educational Series, Inc. Oct. 1997. 96 p. ISBN: 0764100939.

Ferrets. 1996. Nature Watch Ser. Johnson, Sylvia A. Minneapolis: Lerner Publishing Group. Sept. 1996. ill. ISBN: 1575050145.

The ferret. 1996. Shefferman, Mary R. New York, N.Y.: Howell Book House, 1996, 126 p. col. ill. ISBN: 087605498X.
NAL call no: SF549.F47 S465 1996
Descriptors: ferrets as pets.

Ferrets Today. 1996. Field, Mary. Neptune: T.F.H. Publications Inc. Nov. 1996. 64 p. ill. ISBN: 0793801117.

Guide to Owning a Ferret. 1996. Field, Mary. Neptune: T.F.H. Publications Inc. Dec. 1996. 64 p. ill. ISBN: 0793821517.

A Practical Guide to Ferret Care. 2nd ed.; 1996. Jeans, Deborha; Lima, Monica; Lasky, Bob. Coconut Grove: Ferrets Inc. April 1996. 176 p. ill. ISBN: 0964258919.

Complete Guide to Ferrets. 1995. McKay, James. Shrewsbury: Swan Hill Press. May 1995. 176 p. ill. ISBN: 1853104337.

Ferret Bibliography. 1995. AWIC resources series no. 2. p. 117-126. ISBN: 090076791X.
NAL call no: aHV4701.A94 no. 2
Descriptors: ferrets, enrichment, bibliographies, behavior, animal welfare.

Ferrets. 1995. The Complete Pet Owner's Manual Ser. 2nd ed. Morton, Chuck; Morton, E. Lynn; Vriendt, Matthew M. Hauppauge: Barron's Educational Series Inc. Feb. 1995. 72 p. ISBN: 0812090217.
NAL call no: SF459.F47M67 1995
Descriptors: ferrets as pets, care, nutrition, disease, behavior.

Ferret keeping. 1995. McKay, James. Ipswich, U.K.: Farming Press Videos. N.Y.; Distributed in USA by Diamond Farm Enterprises, 1995, 1 videocassette (60 min.). col. ISBN: 0852363095.
NAL call no: Videocassette no. 2491
Descriptors: ferrets as pets, ferrets, management, breeding, housing, handling.

A Step by Step Book About Ferrets. 1995. Fields, Jay. Neptune: T.F.H. Publications, Inc. June 1995. 64 p. ISBN: 0866229183.

The Ferret and Ferreting Handbook. 1994. McKay, James. Crowood Press Ltd. Feb. 1994. 144 p. ill. ISBN: 1852237724.

Ferrets. 1994. Rosenthal, K. *Veterinary Clinics of North America, Small Animal Practice*, 1994, v. 24 (1), p. 1-23. ref. ISSN: 0195-5616.
NAL call no: SF601.V523
Descriptors: husbandry, diseases, pathology, diagnosis, therapy.

A Practical Guide to Ferret Care. 1994. Jeans, D. Ferrets, Inc. P.O. Box 450099, Miami, FL 33245-0099. 146 p. ref. ill.
NAL call no: SF459.F47J43 1995
Descriptors: pets, animal husbandry.

Ferrets As a New Pet. Ovechka, Greg. Neptune: T.F.H. Publications Inc. Apr. 1991. 64 p. ill. ISBN: 0866226222.

Ferrets. 1991. Oxenham, M.; Beynon, P.H.(Ed.); Cooper, J.E.(Ed.). *Manual of Exotic Pets*, 1991, ed. 3, p. 97-110. ref. British Veterinary Association, Cheltenham, Gloucestershire, UK. ISBN: 0905214153.
Descriptors: diseases, anaesthesia, drugs, surgery.

Ferret. 1990. Duden, Jane. Parsippany: Silver Burdett Press. Apr. 1990. 48 p. ill. ISBN: 0896965177.

Ferrets and Ferreting. 1990. Brodie, Iain. London: Blandford Press. May 1990. 96 p. ill. ISBN: 0713718315.

Ferrets. 1989. Winsted, Wendy. Neptune: T.F.H. Publications, Inc. May 1989. 128 p. ill. ISBN: 0866228191.

The Ferret and Ferreting Handbook. 1989. McKay, James. Ramsbury, Marlborough, Wiltshire: Crowood Press, 1989, 140 p. ill. ISBN: 1852231807.
NAL call no: SK293.M35 1989
Descriptors: ferreting handbook, manuals.

The ferret. 1987. Andrews, P.L.R.; Illman, O. *The UFAW Handbook on the Care and Management of Laboratory Animals.* Trevor B. Poole (Ed.). 6th ed., London. p. 436-455. ISBN: 058240911X.
NAL call no: QL55.U5 1987
Descriptors: laboratory animals, ferrets, biology, animal husbandry, laboratory methods.

The Ferret and Ferreting. 1987. Brodie, Iain. Blandford Press, London, New York, 1988, 79 p. plates, ill. ISBN: 0713718315.
NAL call no: SK293.B7
Descriptors: ferrets, ferreting.

A Step by Step Book About Ferrets. 1987. Field, J.; Field, Mary. Neptune: T.F.H. Publications, Inc. Aug. 1987. 64 p. ill. ISBN: 0866224629.

Compendium of recent literature on the ferret. 1985. Frederick, K.A.; Babisch, J.G. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 298-318. ISSN: 0023-6764.
NAL call no: 410.9.P94
Descriptors: literature, ferrets, animal experiments, research.

Ferret. 1983. Markstein, George. New York: Ballantine Publishing Group. Sept. 1983. 336 p. ISBN: 0345300432.

Ferrets. 1981. Burke, T.J. *Scientific Proceedings of the American Animal Hospital Association*, (48th). p. 77-79.
NAL call no: 41.9.AM36
Descriptors: nutrition, housing, restraint, anesthesia, reproduction, infectious diseases.

Ferret and Ferreting Guide. 1981. Wellstead, Graham. Newton Abbot: David and Charles Publishers. Aug. 1981. ISBN: 0715380133.

All About Ferrets. 1977. Roberts, Mervin F. Neptune: T.F.H. Publications, Inc. Nov. 1977. 64 p. ill.
ISBN: 0876669143.
NAL call no: SF459.F47R6
Descriptors: ferrets as pets.

ANATOMY

Macroscopic and roentgenographic anatomy of the skull of the ferret (*Mustela putorius furo*). 2002. He, T.; Friede, H.; Kiliaridis, S. *Laboratory Animals*, Jan. 2002, v. 36 (1), p. 86-96.
ISSN: 0023-6772.
NAL call no: QL55.A1L3
Descriptors: anatomy, skull, ferret, macroscopic.

Ultrasonography and fine needle aspirate cytology of the mesenteric lymph node in normal domestic ferrets (*Mustela putorius furo*). 1999. Paul-Murphy, J.; O'Brien, R.T.; Spaeth, A.; Sullivan, L.; Dubielzig, R.R. *Veterinary Radiology and Ultrasound*, May-Jun. 1999, v. 40 (3), p. 308-310. ISSN: 1058-8183.
NAL call no: SF757.8.A4
Descriptors: anatomy, histology, cytology, ultrasonography, lymph node.

Ultrasonography of the adrenal glands in the dog, cat, and ferret. 1998. Barthex, P.Y.; Nyland, T.G.; Feldman, E.C. *The Veterinary Clinics of North America: Small Animal Practice*, 1998, v. 28 (4). *Ultrasonography*, W.B.Saunders Co. 1998, p. 869-885. ISSN: 0195-5616. ref.
NAL call no: SF601.V523 v. 28, no. 4
Descriptors: adrenal gland, diseases, anatomy.

Adrenal ultrasonography correlated with histopathology in ferrets. 1997. Neuwirth, L.; Collins, B.; Calferwood, Mays M.; Tran, T. *Veterinary Radiology and Ultrasound*, Jan.-Feb. 1997, v. 38 (1), p. 69-74. ref. ISSN: 1058-8183.
NAL call no: SF757.8.A4
Descriptors: adrenal glands, hyperplasia, histopathology, size, length, width, depth.

The dorsal vagal complex of the ferret: Anatomical and immunohistochemical studies. 1996. Biossonade, F.M.; Davison, J.S.; Egizii, R.; Lucier, G.E.; Sharkey, K.A. *Neurogastroenterology and Motility*, Sept. 1996, v. 8 (3), p. 255-272. ISSN: 1350-1925.
Descriptors: dorsal vagal complex, anatomical, studies, ferret.

Immunoelectron microscopy of corticotropes and melanotropes in the pituitary gland of the European ferret, Mustela putorius furo. 1996. Mohanty, B.; Tachibana, T.; Kwon, O.C.; Hashimoto, H.; Nogami, H.; Ishikawa, H.; Naik, D.R. *Acta Anatomica*, 1996, v. 157 (2), p. 126-134. ISSN: 0001-5180.

Descriptors: immunoelectron microscopy, pituitary gland, ferret.

Ultrasonography of adrenal glands in normal ferrets. 1996. O'Brian, R.T.; Murphy, J.P.; Dubielzig, R.R. *Veterinary Radiology and Ultrasound*, 1996, v. 37 (6), p. 445-448. ref. ISSN: 1085-8183.

NAL call no: SF757.8.A4

Descriptors: anatomy, adrenal glands, ultrasonography, laboratory animals.

Anatomy of the ferret larynx: A comparative study with the human larynx. 1994. Al-Muhtaseb, M.H.; Jamal, M. *Dirasat Series B Pure and Applied Sciences*, Jan. 1994, v. 21B (1), p. 151-159. ill.

Descriptors: nervous system, larynx anatomy, comparison with human larynx.

The central localization of the vagus nerve in the ferret (Mustela putoris furo) and the mink (Mustela vison). 1993. Ranson, R.N.; Butler, P.J.; Taylor, E.W. *Journal of the Autonomic Nervous System*, May 1993, v. 43 (2), p. 123-137. ill. ISSN: 0165-1838.

Descriptors: brain, nerves, vagus nerve, central localization.

Trigeminal nuclear complex of the ferret: Anatomical and immunohistochemical studies. 1993. Boissonade, F.M.; Sharkey, K.A.; Lucier, G.E. *Journal of Comparative Neurology*, 1993, v. 329 (3), p. 291-312. ISSN: 0021-9967.

Descriptors: trigeminal nucleous, complex, neuropeptides, anatomy, correlation.

Anatomy of the ferret. 1988. An, N.Q.; Evans, H.E. *Biology and Diseases of the Ferret*. James D. Fox. (Ed.). Philadelphia: Lea and Febiger, 1988, p. 14-65. ill. ref. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, anatomy, morphology.

The neuroanatomy of the ferret brain. 1988. *Biology and Diseases of the Ferret*. James D. Fox, (Ed.). Philadelphia: Lea and Febiger, 1988, p. 66-99. ill. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: brain, neurons, cerebellum, morphology, ferrets.

Comparative scanning electron microscopic (SEM) analysis of primary palate fusion in mouse and ferret embryos. 1987. Steffek, A.J.; Lenke, J.W. *Proceedings of the Meeting of the Electron Microscopy Society of America*, San Francisco, CA. V. 45, p. 892-893. ill. ISSN: 0091-8628.

NAL call no: QH201.E4

Descriptors: ferrets, mice, palate, ultrastructure, cleft palate, scanning electron microscopy.

ANESTHESIA / ANALGESIA

- Effects of volatile anesthetics on elastic stiffness in isometrically contracting ferret ventricular myocardium.** 2002. Bartunek, Anna E.; Claes, Victor A.; Housmans, Philippe, R. *Journal of Applied Physiology*, Jun. 2002, v. 92 (6), p. 2491-2500. ISSN: 8750-7587.
Descriptors: general anesthetic, volatile anesthetics, ferret, cardiovascular system.
- Effects of volatile anesthetics on ryanodine-treated ferret cardiac muscle.** 2001. Housmans, Philippe R.; Bartunek, Anna E. *Journal of Cardiovascular Pharmacology*, Aug. 2001, v. 38 (2), p. 211-218. ISSN: 0160-2446.
Descriptors: cardiac muscle, pharmacology, halothane, isoflurane, sevoflurane.
- Effects of volatile anesthetics on sarcolemmal calcium transport and sarcoplasmic reticulum calcium content in isolated myocytes.** 2002. Hannon, James D.; Cody, Mark J. *Anesthesiology*, Jun. 2002, v. 96 (6), p. 1457-1464. ISSN: 0003-3022. www.anesthesiology.org.
Descriptors: cardiovascular system, heart, calcium transport, volatile anesthetics.
- Ferret, rabbit, and rodent anesthesia.** 2001. Cantwell, S.L. *Veterinary Clinics of North America, Exotic Animal Practice*, Jan. 2001, v. 4 (1), p. 163-191. ISSN: 1094-9194.
Descriptors: ferrets, anesthesia, physiology, monitoring, post-op care.
- Acute ibuprofen toxicosis in a ferret.** 2000. Cathers, T.E.; Isaza, R.; Oehme, F. *Journal of the American Veterinary Medical Association*, May 1, 2000, v. 216 (9), p. 1426-1428. ref. ISSN: 0003-1488.
NAL call no: 41.8 AM3
Descriptors: poisoning, drug toxicity, differential diagnosis, adverse effects.
- Effects of halothane and isoflurane on the intracellular Ca2+ transient in ferret cardiac muscle.** 2000. Housmans, Philippe R.; Wanek, Laurel A.; Carton, Edmund G.; Bartunek, Anna E. *Anesthesiology*, Hagerstown, Jul. 2000, v. 93 (1), p. 189-201. ISSN: 0003-3022.
Descriptors: calcium, intracellular transit, halothane, isoflurane, effects.
- Effects of sevoflurane on the intracellular Ca2+ transient in ferret cardiac muscle.** 2000. Bartunek, Anna E.; Housmans, Philippe, R. *Anesthesiology Hagerstown*, Dec. 2000, v. 93 (6), p. 1500-1508. ISSN: 0003-3022. <http://www.anesthesiology.org>
Descriptors: cardiac muscle, myocardium, sevoflurane, general anesthetic drug.
- Evaluation of epidural morphine for postoperative analgesia in ferrets (*Mustela putorius furo*).** 2000. Sladky, K.K.; Horne, W.A.; Goodrowe, K.L.; Stoskopf, M.K.; Loomis, M.R.; Harms, C.A. *Contemporary Topics in Laboratory Animal Science*, Nov. 2000, v. 39 (6), p. 33-38. ref. ISSN: 1060-0558.
NAL call no: SF405.5.A23
Descriptors: morphine, analgesics, postoperative care, pain, surgery.
- M-mode and Doppler echocardiographic findings in normal ferrets sedated with ketamine hydrochloride and midazolam.** 2000. Stepien, R.L.; Benson, K.G.; Wenholz, L.J. *Veterinary*

Radiology and Ultrasound, 2000, v. 41 (5), p. 452-456. ref. ISSN: 1058-8183.

NAL call no: SF757.8.A4

Descriptors: aorta, cardiac output, echocardiography, heart, ketamine, benzodiazepines.

Visual response prior to eye opening in the anaesthetised ferret. 2000. Thompson, I.D.; Akerman, C.J.; Krug, K. *Journal of Physiology, Cambridge*, Aug. 2000, 526 p.: 22S-23S. ISSN: 0022-3751.

Descriptors: development, nervous system, sensory system, eye opening.

Assessment of isoflurane-induced anesthesia in ferrets and rats. 1999. Imai, A.; Steffey, E.P.; Farver, T.B.; Ilkiw, J.E. *American Journal of Veterinary Research*, 1999, v. 60 (12), p. 1577-1583. ref. ISSN: 0002-9645.

NAL call no: 41.8.AM3A

Descriptors: anaesthesia, blood pressure, eyelids, isoflurane.

Anaesthesia in ferrets, rabbits, and guineapigs. 1998. Alderton, B.; Bryden, D. *Internal Medicine: Small Companion Animals*. The T.G. Hungerford course for veterinarians. Proceedings 306. Stephen Roberts Lecture theatre, University of Sydney, Australia. 15-19 Jun. 1998, p. 241-268. ref. ISBN: 187558269X.

Descriptors: anaesthesia, preanaesthetic, neuroleptics, injectable, inhaled, dosage.

Assessment and alleviation of post-operative pain. 1998. Flecknell, P. *Animal Welfare Information Center Newsletter*, 1998, v. 8 (3-4), p. 8-14. ref. ISSN: 1050-561X.

NAL call no: aHV4701.A952

Descriptors: surgery, pain, analgesics, laboratory animals, animal welfare.

Comparison of anesthetic and cardiorespiratory effects of diazepam-butorphanol-ketamine, acepromazine-butorphanol-ketamine, and xylazine-butorphanol-ketamine in ferrets.

1998. Ko, J.C.H.; Smith, T.A.; Kuo, WeiChen; Nicklin, C.F.; Kuo, W.C. *Journal of the American Animal Hospital Association*, Sept./Oct.1998, v. 34 (5), p. 407-416. ref. ISSN: 0587-2781.

NAL call no: SF601.A5

Descriptors: anaesthesia, diazepam, respiration, heart rate, ketamine, drug combinations.

Comparison of anesthetic and cardiorespiratory effects of tiletamine-zolazepam-xylazine and tiletamine-zolazepam-xylazine-butorphanol in ferrets. 1998. Ko, J.C.H.; Nicklin, C.F.; Montgomery, T.; Kuo, WeiChen; Kuo, W.C. *Journal of the American Animal Hospital Association*, Mar./Apr.1998, v. 34 (2), p. 164-174. ref. ISSN: 0587-2781.

NAL call no: SF601.A5

Descriptors: effects, anesthesia, drug combinations, xylazine, respiration, heart rate.

Comparison of sedative and cardiorespiratory effects of diazepam, acepromazine, and xylazine in ferrets. 1998. Ko, J.C.H.; Nicklin, C.F.; Heaton, Jones T.G.; Kuo, W.C. *Journal of the American Animal Hospital Association*, May/Jun.1998, v.34 (3), p. 234-241. ref. ISSN: 0587-2781.

NAL call no: SF601.A5

Descriptors: diazepam, acepromazine, xylazine, pharmacology, blood pressure, cardiovascular system, respiratory gases, haemoglobin, carbon dioxide.

Evaluation of sedative and cardiorespiratory effects of diazepam-butorphanol, acepromazine-butorphanol, and xylazine-butorphanol in ferrets. 1998. Ko, J.C.H. *Journal of the American Animal Hospital Association*, May/Jun.1998, v. 34 (3), p. 242-250. ref. ISSN: 0587-2781.

NAL call no: SF601.A5

Descriptors: immobilization, cardiovascular system, heart rate, respiratory gases, blood pressure, respiration rate, blood gases, drug combinations.

Ketamine-medetomidine or isoflurane immobilization of black-footed ferrets. 1998. Kreeger, T.J.; Vargas, A.; Plumb, G.E.; Thorne, E.T. *Journal of Wildlife Management*, 1998, v. 62 (2), p. 654-662. ISSN: 0022-541X.

Descriptors: immobilization, anesthesia, Mustela nigripes.

Anesthesia and Analgesia in Laboratory Animals. 1997. Kohn, Dennis F. San Diego: Academic Press, 1997. Xvii, 426 p. ill. ISBN: 0124175708.

NAL call no: SF996.5.A54 1997

Descriptors: laboratory animals, surgery, anesthesia, analgesia.

Distribution of technetium 99m-labelled red blood cells during isoflurane anesthesia in ferrets.

1997. Marini, R.P.; Callahana, R.J.; Jackson, L.R.; Jyawook, S.; Esteves, M.I.; Fox, J.G.; Wildkinson, R.A.; Strauss, H.W. *American Journal of Veterinary Research*, 1997, v. 58 (7), p. 781-785. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: anaesthesia, haematology, haemoglobin, haematocrit, technetium.

Evaluation of the sedative and cardiorespiratory effects of medetomidine, medetomidine-butorphanol, medetomidine-ketamine, and medetomidine-butorphanol-ketamine in ferrets. 1997. Ko, J.C.H.; Heaton-Jones, T.G.; Nicklin, C.F. *Journal of the American Animal Hospital Association*, Sept./Oct. 1997, v. 33 (5), p. 438-448. ref. ISSN: 0587-2781.

NAL call no: SF601.A5

Descriptors: efficacy, ketamine, drug combinations, analgesics, anaesthetics.

Anesthetic effects of Telazol and combinations of ketamine-xylazine and Telazol-ketamine-xylazine in ferrets. 1996. Ko, J.C.H.; Pablo, L.S.; Bailey, J.E.; Heaton-Jones, T.G.

Contemporary Topics in Laboratory Animal Science, Mar. 1996, v.35 (2), p. 47-52. ref. ISSN: 1060-0558.

NAL call no: SF405.5.A23

Descriptors: laboratory animals, anaesthetics, ketamine, xylazine, dosage, effects.

Anesthesia and Analgesia for Companion and Laboratory Animals: Bibliography January 1989-January 1995. 1995. Allen, Tim. Collingdale: DIANE Publishing Co. Jul. 1995. 98 p. ISBN: 0788119699.

Pocket pests: Sedation vs. general anesthesia. 1995. Ludders, J.W.; Mason, D.E. *Proceedings of the North American Veterinary Conference*: Eastern States Veterinary Association, 1995, v. 9 p. 8-10.

NAL call no: SF605.N672

Descriptors: restraint, rabbits, rats, gerbils, ferrets, hamsters, guinea pigs.

Anesthesia and Analgesia for Companion and Laboratory Animals: A Bibliography January 1988-January 1994. Allen, Tim (Ed.). Collingdale: DIANE Publishing Co. Jul. 1994. 81 p. ISBN: 0788110748.

Effect of isoflurane on hematologic variables in ferrets. 1994. Marini, R.P.; Jackson, L.R.; Esteves, M.I.; Andrusis, K.A.; Goslant, C.M.; Fox, J.G. *American Journal of Veterinary Research*, Oct. 1994, v. 55 (10), p. 1479-1483. ill. ISSN: 0002-9645.

NAL call no: 41.8.AM3A

Descriptors: sedation, blood, isoflurane effect on haematologic variables.

Mechanism of the direct, negative inotropic effect of ketamine in isolated ferret and frog ventricular myocardium. 1993. Kongsayreepong, S.; Cook, D.J.; Housmans, P.R. *Anesthesiology*, Aug. 1993, v. 79 (2), p. 313-322. ISSN: 0003-3022.

Descriptors: ketamine physiology, myocardium physiology, drug interactions, ferrets.

Effects of yohimbine on bradycardia and duration of recumbency in ketamine/xylazine anesthetized ferrets. 1990. Sylvina, T.J.; Berman, N.G.; Fox, J.G. *Laboratory Animal Science*, Mar. 1990, v. 40 (2), p. 178-182. ref. ISSN: 0023-6764.

NAL call no: 410.9.P94

Descriptors: ferrets, ketamine, xylazine, yohimbine, anesthesia, duration, heart rate.

Evaluation of a combination of tiletamine and zolazepam as an anesthetic for ferrets. 1989. Payton, A.J.; Pick, J.R. *Laboratory Animal Science*, 1989, v. 39 (3), p. 243-246. ref. ISSN: 0023-6764.

NAL call no: 410.9.P94

Descriptors: laboratory animals, immobilization, injectable anaesthetics.

Anesthesia and surgery. 1988. Fox, J.G. *Biology and Diseases of the Ferret*. James D. Fox (Ed.). Lea and Febiger, 1988, p.289-302. ill. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, anesthesia, injections, anesthetics, surgery, immunization.

ANIMAL MODELS

Ferrets as a model system for renal disease secondary to intestinal infection with Escherichia coli 0157:H7 and other Shiga toxin producing E. coli. 2002. Woods, Jon B.; Schmitt, Clare K.; Darnell, Stephen C.; Meysick, Karen C.; O'Brien, Alison D. *Journal of Infectious Diseases*, Feb. 15, 2002, v. 185 (4), p. 550-554. ISSN: 0022-1899.

Descriptors: animal model, ferret, renal disease, infection . E. Coli.

The ferret as a model for vitamin A metabolism in carnivores. 2002. Raila, Jens; Gomez, Claudia; Schweigert, Florian J. *Journal of Nutrition*, Jun. 2002, v. 132 (6 Suppl. S2), p. 1787S-1789S. ISSN: 0022-3166. www.nutrition.org.

NAL call no: 389.8 J82

Descriptors: kidney, excretory system, ferret, urine, digestive system, blood, plasma.

Laryngeal mask versus endotracheal tube in a ferret model. 2001. Brietzke, Scott E.; Mair, Eric A. *Annals of Otology, Rhinology and Laryngology*, Sept. 2001, v. 110 (9), p. 827-833. ISSN: 0003-4894.

Descriptors: respiratory failure, respiratory system, disease, infant model.

Animal models of bronchial asthma. 2000. Szelenyi, I. *Inflammation Research*, Dec, 2000, v. 49 (12), p. 639-654. ISSN: 1023-3830.

Descriptors: allergic asthma, immune system disease, bronchial asthma.

Heliobacter mustelae infection of the ferret as a natural animal model for Heliobacter adherence studies. 2000. Ocroinin, T.; Clyne, M.; Drumm, B. *Gut*, Oct. 2000, v. 47 (Supplement 2), A4. ISSN: 0017-5749. XIIIth International Workshop on Gastroduodenal Pathology and *Heliobacter pylori*, Rome, Italy, Oct. 11-14, 2000.

Descriptors: digestive system disease, bacterial, pathogenesis, duodenal ulcer.

Pigs and Ferrets as Models in Toxicology and Biological Safety Assessment. 2000. Gad, S.C. *International Journal of Toxicology*, May-Jun. 2000, v. 19 (3), p. 149-168. ISSN: 1091-5818.

Descriptors: toxicity testing, animal models, safety, pigs, ferrets, drug development.

Characterization of endothelin receptors in the anesthetized ferret: A novel model for investigating the functional ETB receptor subtypes. 1999. Krause, Stephen M.; Nolan, Nancy A.; Clayton, Franklin C.; Walsh Thomas F.; Williams, David L. Jr. *Journal of Cardiovascular Pharmacology*, Sept. 1999, v. 34 (3), p. 359-367. ISSN: 0160-2446.

Descriptors: cardiovascular system, circulation, pharmacology, model.

Review of animal models in carotenoid research. 1999. Lee, C.M.; Boileau, A.C.; Boileau, T.W.M.; Williams, A.W.; Swanson, K.S.; Heintz, K.A.; Erdman, J.W. Jr. *Journal of Nutrition*, Dec. 1999, v. 129 (12), p. 2271-2277. ISSN: 0022-3166.

NAL call no: 389.8 J82

Descriptors: retinol, carotenoids, animal models, metabolism, human nutrition.

The ferret as a model for myocardial infarct size reduction by use of a selection inhibitor. 1998. Klabunde, R.E.; Mulligan, L.J. *Laboratory Animal Science*, Oct. 1998, v. 48 (5), p. 529-532. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, myocardial infarction, animal models.

The host range of Chronic Wasting Disease is altered on passage in ferrets. 1998. Bartz, J.C.; Marsh, R.F.; Mckenzie, D.I.; Aiken, J.M. *Virology*, 1998, v. 251 (2), p. 297-301. ISSN: 0042-6822.

Descriptors: host range, animal models, chronic wasting disease, TSE.

Canine distemper virus (CDV) infection of ferrets as a model for testing Morbillivirus vaccine strategies: NYVAC and ALVAC based CDV recombinants protect against symptomatic infection. 1997. Stephensen, C.B.; Welter, J.; Thaker, S.R.; Taylor, J.; Tartaglia, J.; Paoletti, E. *Journal of Virology*, 1997, v. 71 (2), p. 1506-1513. ref. ISSN:0022-538X.

NAL call no: QR360.J6

Descriptors: canine distemper virus, vaccines, immunity, ferrets.

Further protection against antigenic drift of influenza virus in a ferret model by DNA vaccination.

1997. Donnelly, J.J.; Friedman, A.; Ulmer, J.B.; Liu, M.A. *Vaccine*, Jun. 1997, v. 15 (8), p. 865-868. ISSN: 0264-410X.

Descriptors: immunization, vaccine, influenza virus, DNA.

Characterization and therapy for experimental infection by *Heliobacter mustelae* in ferrets. 1996.

Czinn, S.J.; Bierman, J.C.; Ditors, R.W.; Blanchard, T.G.; Leunk, R.D. *Heliobacter*, Mar. 1996, v. 1 (1), p. 43-51. ISSN: 1083-4389.

Descriptors: *Heliobacter* infection, therapy, ferret, characterization.

A ferret model of electrical-induction of arterial thrombosis that is sensitive to aspirin. 1996.

Schumacher, W.A.; Steinbacher, T.E.; Megill, J.R.; Durham, S.K. *Journal of Pharmacological and Toxicological Methods*, Feb. 1996, v. 35 (1), p. 3-10. ISSN: 1056-8719.

Descriptors: ferret, animal model, arterial thrombosis, electrical induction, aspirin.

Relevance of the ferret model of *Heliobacter*-induced gastritis to evaluation of antibacterial therapies. 1996.

Alder, J.D.; Ewing, P.J.; Mitten, M.J.; Oleksijew, A.; Tanaka, S.E. *American Journal of Gastroenterology*, Nov. 1996, v. 91 (11), p. 2347-2354. ISSN: 0002-9270.

Descriptors: gastroenteritis, model, ferret, antibacterial therapies.

Small intestine transplantation using a ferret model. 1996.

Squiers, E.C.; Kelley, S.E. *Transplantation Proceedings*, Oct. 1996, v. 28 (5), p. 2518. ISSN: 0041-1345.

Descriptors: small intestine, transplantation, ferret, model, methods.

The ferret as a small animal model with BMU-based remodeling for skeletal research. 1995.

Smith, P.N.; McOske, J.E. *Bone*, Oct. 1995, v. 17 (4 Suppl.), p. 191S-196S. ISSN: 8756-3282.

Descriptors: bone remodeling, physiology, osteoporosis, drug therapy.

Efficacy of adenovirus-vectored respiratory syncytial virus vaccines in a new ferret model. 1994.

Hsu, Kuo Hom Lee; Lubeck, M.D.; Bhat, B.M.; Bhat, R.A.; Kostek, B.; Selling, B.H.; Mizutani, S.; Davis, A.R.; Hung, P.P. *Vaccine*, 1994, v. 12 (7), p. 607-612. ISSN: 0264-410X.

Descriptors: adenovirus, vaccines, cloning vectors, immunology.

Profiles of emetic action of cisplatin in the ferret: A potential model of acute and delayed emesis.

1994. Rudd, J.A.; Jordan, C.C.; Naylor, R.J. *European Journal of Pharmacology*, Sept. 1994, v. 262 (1-2), p. R1-2. ISSN: 0014-2999.

Descriptors: emetic action, cisplatin, delayed and acute emesis.

The ferret as a model for evaluation of the bioavailabilities of all-trans-beta-carotene and its isomers. 1993.

White, W.S.; Peck, K.M.; Ulman, E.A.; Erdman, J.W. Jr. *Journal of Nutrition*, 1993, v. 123 (6), p. 1129-1139. ref. ISSN: 0022-3166.

NAL call no: 389.8.J82

Descriptors: beta-carotene, isomers, availability, animal models.

Intestinal uptake and lymphatic absorption of beta-carotene in ferrets: A model for human beta-carotene metabolism. 1992.

Wang, X.D.; Krinsky, N.I.; Marini, R.P.; Tang, g.; Yu, J.; Hurley, R.; Fox, J.G.; Russell, R.M. *American Journal of Physiology*, 1992, v. 263 (4), p. G480-G486. ref. ISSN: 0002-9513.

NAL call no: 447.8 AM3

Descriptors: retinol, beta-carotene, absorption, models, uptake, lymph.

Evaluation of *Campylobacter jejuni* colonization of the domestic ferret intestine as a model of proliferative colitis. 1991. Bell, J.A.; Manning, D.D. *American Journal of Veterinary Research*, Jun. 1991, v. 52 (6), p. 826-832. ref. ISSN: 0002-9645.
NAL call no: 41.8.AM3A
Descriptors: disease models, intestines, colitis, pathogenesis, colonization.

The isolated buffer-perfused heart: A new model for the study of cardiac physiology and metabolism. 1991. Neubauer, S.; Ingwall, J.S. *Lab Animal*, Oct. 1991, v.25 (4), p. 348-353. ref. ISSN: 0023-6772.
NAL call no: QL55.A1L3
Descriptors: ferrets, heart, perfusion, animal models, hemodynamics.

Use of the ferret as a model for pediatric endotracheal intubation training. 1991. Powell, D.A.; Gonzales, C.; Gunnels, R.D. *Laboratory Animal Science*, Jan. 1991, v. 41 (1), p. 86-89. ref. ISSN: 0023-6764.
NAL call no: 410.9.P94
Descriptors: ferrets, animal models, tubes, larynx, trauma, training.

The ferret as a model for vasomotor biocompatibility testing of medical devices. 1989. Hoglind, J.; Bauer, E.; Berlin, C.; Nicholas, K.; Parisi, A.; Kirkpatrick, W. *Laboratory Animal Science*, Sept. 1998, v. 39 (5), p. 450-452. ref. ISSN: 0023-6764.
NAL call no: 410.9.P94
Descriptors: medical research, ferrets, equipment blood vessels, blood pressure, models.

Guidelines for the use of the ferret as a model for pediatric endotracheal intubation training. 1989. Powell, Douglas A.; Gonzales, Carlos. Dept. of Laboratory Animal Medicine, Uniformed Services University of the Health Sciences, 1989, 13 p. (1) leaves. ill. ref.
NAL call no: SF407.F39P6
Descriptors: animal models in research, trachea, intubation, laboratory animals.

Viral disease models. 1988. Pearson, R.C.; Gorham, J.R. *Biology and Diseases of the Ferret*. James D. Fox (Ed.). Philadelphia: Lea and Febiger, 1988, p. 305-314. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: ferrets, viral diseases, disease models, immunization.

***Campylobacter jejuni* infection in the ferret: An animal model of human Campylobacteriosis.** 1987. Fox, J.G.; Ackerman, J.I.; Taylor, N.; Claps, M.; Murphy, J.C. *American Journal of Veterinary Research*, Jan. 1987, v. 48 (1), p. 85-90. ref. ISSN: 0002-9645.
NAL call no: 41.8.AM3A
Descriptors: ferrets, campylobacter, disease models, human diseases.

The ferret as a replacement for the dog in toxicity studies. 1986. Hart, J.E. *Animal technology: Journal of the Institute of Animal Technology*, 1986, v. 37 (3), p. 201-205. ref. ISSN: 0264-4754.
NAL call no: QL55.I5
Descriptors: ferrets, animal testing, alternatives, toxicity, drugs.

Use of ferrets in studies of the visual system. 1985. Jackson, C.A.; Hickey, T.L. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 200-210. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9.P94

Descriptors: ferrets, animal experiments, vision.

AUDITORY / HEARING

Early postnatal formation of clustered horizontal connections in ferret auditory cortex. 2001.

Moerschel, D.J.; Pallas, S.L. *Society for Neuroscience Abstracts*, 2001, v. 27 (2), p. 2395. ISSN: 0190-5295.

Descriptors: development, nervous system, sense organs, auditory cortex.

Listening through different ears alters spatial response fields in ferret primary auditory cortex.

2001. Mrsic-Flogel, Thomas D.; King, Andrew J.; Jenison, Rick L.; Schmupp, Jan W.H. *Journal of Neurophysiology*, Aug. 2001, v. 86 (2), p. 1043-1046. ISSN: 0022-3077.

Descriptors: nervous system, sense organs, ear, acoustical properties.

Responses to linear and logarithmic frequency-modulated sweeps in ferret primary auditory cortex.

2000. Nelken, Israel; Versnel, Huib. *European Journal of Neurosciences*, Feb. 2000, v. 12 (2), p. 549-562. ISSN: 0953-816X.

Descriptors: nervous system, primary auditory cortex, stimulation.

Bilateral cochlear lesions in neonatal ferrets prevent refinement of horizontal connectivity in primary auditory cortex.

1999. Gao, W.J.; Moore, D.R.; Pallas, S.L. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1771. ISSN: 0190-5295.

Descriptors: cochlea, bilateral lesions, sensory system, nervous system.

Effects of altering spectral cues in infancy on horizontal and vertical sound localization by adult ferrets.

1999. Parsons, C.H.; Lanyon, R.G.; Schnupp, J.W.H.; King, A.J. *Journal of Neurophysiology*, 1999, v. 82 (5), p. 2294-2309. ISSN: 0022-3077.

Descriptors: auditory stimuli, vestibular system, pinna, localization, spectral cues.

Improved auditory spatial acuity in visually deprived ferrets.

1999. King, Andrew J.; Parsons, Carl H. *European Journal of Neuroscience*, Nov. 1999, v. 11 (11), p. 3945-3956. ISSN: 0953-816X.

Descriptors: nervous system, sense organs, auditory spatial acuity.

Auditory brainstem projections to the ferret superior colliculus: Anatomical contribution to the neural coding of sound azimuth.

1998. King, A.J.; Jiang, Ze D.; Moore, D.R. *Journal of Comparative Neurology*, 1998, v. 390 (3), p. 342-365. ISSN: 0021-9967.

Descriptors: brain stem auditory, superior colliculus.

Altered spectral localization cues disrupt the development of the auditory space map in the superior colliculus of the ferret.

1997. Schnupp, J.W.H.; King, A.J.; Carlile, S. *Journal of Neurophysiology*, 1997, v. 79 (2), p. 1053-1069. ISSN: 0022-3077.

Descriptors: superior colliculus, auditory stimulus, cues, outer ear.

Callosal connections of the ferret primary auditory cortex. 1997. Wallace, M.N.; Harper, M.S. *Experimental Brain Research*, 1997, v. 116 (2), p. 367-374. ISSN: 0014-4819.
Descriptors: cortex auditory, corpus callosum, connections.

Deoxyglucose uptake in the ferret auditory cortex. 1997. Wallace, M.N.; Roeda, D.; Harper, M.S. *Experimental Brain Research*, 1997, v. 117 (3), p. 488-500. ISSN: 0014-4819.
Descriptors: cortex auditory, 2 deoxy-D-glucose, ectosylvian gyrus.

Response properties on neurons in the inferior colliculus of the monaurally deafened ferret to acoustic stimulation of the intact ear. 1997. McAlpine, D.; Martin, R.L.; Mossop, J.E.; Moore, D.R. *Journal of Neurophysiology*, 1997, v. 78 (2), p. 767-779. ISSN: 0022-3077.
Descriptors: inferior colliculus, ear, auditory stimulus, deafness.

Effects of bilateral auditory cortical lesions on gap-detection thresholds in the ferret (*Mustela putorius*). 1996. Kelly, J.B.; Rooney, B.J.; Phillips, D.P. *Behavioral Neuroscience*, 1996, v. 110 (3), p. 542-550. ISSN: 0735-7044.
NAL call no: QP351.B45
Descriptors: lesions, cortex auditory, auditory perception, auditory processing.

Lateral superior olive projections to the inferior colliculus in normal and unilaterally deafened ferrets. 1995. Moore, D.R.; Russell, F.A.; Cathcart, N.C. *Journal of Comparative Neurology*, 1995, v. 357 (2), p. 204-216. ISSN: 0021-9967.
Descriptors: lateral superior olfactory complex, projections, inferior colliculus, deafness.

Multi-electrode array for measuring evoked potentials from surface of ferret primary auditory cortex. 1995. Owens, A.L.; Denison, T.J.; Versnel, H.; Rebbert, M.; Peckerar, M.; Shamma, S.A. *Journal of Neuroscience Methods*, May 1995, v. 58 (1-2), p. 209-220. ISSN: 0165-0270.
Descriptors: auditory cortex, physiology, acoustic stimulation, electric stimulation.

Influence of callosal activity on units in the auditory cortex of ferret (*Mustela putorius*). 1994. Kitzes, L.M.; Doherty, D. *Journal of Neurophysiology*, May 1994, v. 71 (5), p. 1740-1751. ill.
ISSN: 0022-3077.
Descriptors: brain, neurons, Callosal neurons, auditory cortex.

Monaural and binaural spectrum level cues in the ferret: Acoustics and the neural representation of auditory space. 1994. Carlile, S.; King, A.J. *Journal of Neurophysiology*, Feb. 1994, v. 71 (2), p. 785-801. ISSN: 0022-3077.
Descriptors: auditory pathways, physiology, ear, perception, brain pathways.

Response of neurons in the ferret superior colliculus to the spatial location of tonal stimuli. 1994. King, A.J.; Carlile, S. *Hearing Research*, 1994, v. 81 (1-2), p. 137-149. ISSN: 0378-5955.
Descriptors: superior colliculus, pinna, sound localization, spatial discrimination.

Sound localization after unilateral lesions of inferior colliculus in the ferret (*Mustela putorius*). 1994. Kelly, J.B.; Kavanagh, G.L. *Journal of Neurophysiology*, Mar. 1994, v. 71 (3), p. 1078-1087. ISSN: 0022-3077.
Descriptors: appetitive behavior, attention physiology, auditory cortex, brain mapping.

Auditory brainstem responses in ferrets following unilateral cochlear removal. 1993. Moore, D.R. *Hearing Research*, 1993 v. 68 (1), p. 28-34. ISSN: 0378-5955.
Descriptors: hearing loss, animal models, cochlea, brain stem, auditory system.

Eustachian tube function in the ferret. 1993. Buchman, C.A.; Doyle, W.J.; Swarts, J.D. *Acta Otolaryngologica*, Jan. 1993, v. 113 (1), p. 75-80. ISSN: 0001-6489.
Descriptors: Eustachian tube physiology, ferrets physiology, disease models.

Organization of response areas in ferret primary auditory cortex. 1993. Shamma, S.A.; Fleshman, J.W.; Wiser, P.R.; Versnel, H. Feb. 1993, *Journal of Neurophysiology*, v. 69 (2), p. 367-383. ill. ISSN: 0022-3077.
Descriptors: brain, sound reception, primary auditory cortex.

Midline and lateral field sound localization in the ferret (*Mustela putorius*): Contribution of the superior olfactory complex. 1992. Kavanagh, G.L.; Kelly, J.B. *Journal of Neurophysiology*, 1992, v. 67 (6), p. 1643-1658. ill. ISSN: 0022-3077.
Descriptors: brain, sound localization, superior olfactory complex, sound reception.

BACTERIA

Disseminated *Mycobacterium celatum* (type 3) infection in a domestic ferret (*Mustela putorius furo*). 2001. Valkeim, M.; Djonne, B.; Heiene, R.; Caugant, D.A. *Veterinary Pathology*, Jul. 2001, v. 38 (4), p. 460-463. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: mycobacterium, ferret, histopathology, disseminated infections.

Bacterial infectious diseases in small mammals. 2000. Rosenthal, K. *Proceedings of the North American Veterinary Conference*: Eastern States Veterinary Association, 2000, v.14, p. 1019-1020. Jan. 15-19, 2000, Orlando, FL.
NAL call no: SF605.N672
Descriptors: bacterial diseases, ferrets, rabbits, rodents.

Intracellular survival of virulent *Mycobacterium bovis* and *M. bovis BCG* in ferret macrophages. 1999. Cross, M.L.; Aldwell, F.E.; Griffin, J.F.T.; Macintosh, C.G. *Veterinary Microbiology*, 1999, v. 66 (3), p. 235-243. ref. ISSN: 0378-1135.
Descriptors: macrophages, bacterial diseases, cell lines, survival.

BIOLOGY

The vomeronasal organ of the male ferret. 1999. Weiler, E.; Apfelbach, R.; Farbman, A.I. *Chemical Senses*, 1999, v. 24 (2), p. 127-136. ref. ISSN: 0379-864X.
Descriptors: anatomy, olfactory organs, vomeronasal organ.

Biology and Diseases of the Ferret. 2nd ed. 1998. Fox, James. Philadelphia: Lippincott-Williams and Wilkins. Jul. 1998. xiv. 568 p. ill. ISBN: 0683300342.
NAL call no: SF407.F39B56 1998
Descriptors: ferrets as laboratory animals, diseases, ferrets.

Biology and medicine of the domestic ferret: An overview. 1994. Carpenter, J.W.; Harms, C.A.; Harrenstein, L. *Journal of Small Exotic Animal Medicine*, 1994, v. 2 (4), p. 151-162. ref.
Descriptors: diagnosis, physiology, nutrition, restraint, anaesthesia, diseases.

Biology and management of the domestic ferret. 1991. Kansas State University, College of Veterinary Medicine. 1 videocassette (17 min.). sd. col.
NAL call no: Videocassette no. 1571
Descriptors: husbandry, history, nutrition, housing, reproduction.

Biology and Diseases of the Ferret. 1988. Fox, James. G. Philadelphia: Lea and Febiger. 1988. xii. 345 p. ill. ISBN: 0812111397
NAL call no: SF407.F39B56
Descriptors: ferrets as laboratory animals, ferret diseases.

Normal clinical and biologic parameters. 1988. Fox, J.D. *Biology and Diseases of the Ferret*. James D. Fox (Ed.). Philadelphia: Lea and Febiger, 1988, p. 159-173. ref. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: ferrets, immune response, hematology, drugs metabolism, semen.

An olfactory recognition system in the ferret, Mustela furo L. (Carnivora Mustelidae). 1988. Clapperton, B.K.; Minot, E.O.; Crump, D.R. *Animal Behaviour*, Apr. 1988, v. 36 (2), p. 541-553. ref. ISSN: 0003-3472.
NAL call no: 410.B77
Descriptors: ferrets, olfactory stimulation, odors, recognition.

The physiology of the ferret. 1988. Andrews, P.L.R. *Biology and Disease of the Ferret*. James D. Fox (Ed.). Philadelphia: Lea and Febiger, 1988, p. 100-134. ref. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: physiology, endocrinology, nervous system, cardiovascular system

Taxonomy, history and use. 1988. Fox, J.D. *Biology and Diseases of the Ferret*. James D. Fox (Ed.). Philadelphia: Lea and Febiger, 1988, p. 3-13. ill. ref. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: taxonomy, medical research, history, production.

Biology and medicine of the ferret. 1987. Besch, Williford C.L. *Veterinary Clinics of North America: Small Animal Practice*, Sept. 1987, v. 17 (5), p. 1155-1183. ref. ISSN: 0185-5616.
NAL call no: SF601.V523
Descriptors: ferrets, animal husbandry, drug therapy, diseases, vaccines.

Biology and diseases of ferrets. 1984. Bernard, S.L.; Gorham, J.R.; Ryland, L.M. *Laboratory Animal Medicine*, J.G. Fox (Ed.). Academic Press, 1984, p. 385-397. ill. ISBN: 0122636201.
NAL call no: SF996.5.L33
Descriptors: ferrets, laboratory rearing, diseases, biology.

BLACK - FOOTED FERRETS

Enterotoxicigenic Escherichia coli infection in captive black-footed ferrets. 2001. Bradley, Gregory A.; Orr, Kathy; Reggiardo, Carlos; Glock, Robert D. *Journal of Wildlife Diseases*, Jul. 2001, v. 37 (3), p. 617-620. ISSN: 0090-3558.

Descriptors: bacterial disease, E. Coli infection, foods.

Age-dependent changes in sperm production, semen quality, and testicular volume in the black-footed ferret (*Mustela nigripes*). 2000. Wolf, K.N.; Wildt, D.E.; Vargas, A.; Marinari, P.E.; Kreeger, J.S.; Ottinger, M.A.; Howard, J.G. *Biology of Reproduction*, Jul. 2000, v. 63 (1), p. 179-187. ISSN: 0006-3363.

NAL call no: QL876.B5

Descriptors: sperm, testis, seminal fluid, semen quality, age dependent changes.

Fossils, diet, and conservation of black-footed ferrets (*Mustela nigripes*). 2000. Owen, Pamela R.; Bell, Christopher J.; Mead, Emilee M. *Journal of Mammalogy*, May 2000, v. 81 (2), p. 422-433. ill. ISSN: 0022-2372.

NAL call no: 410.J823

Descriptors: predators, prey, relationship.

Reproductive inefficiency in male black-footed ferrets (*Mustela nigripes*). 2000. Wolf, K.N.; Wildt, D.E.; Vargas, A.; Marinari, P.E.; Ottinger, M.A.; Howard, J.G. *Zoo Biology*, 2000, v. 19 (6), p. 517-528. ISSN: 0733-3188.

NAL call no: QL77.5.Z6

Descriptors: reproduction, breeding, reproductive failure.

Effects of experience and cage enrichment on predatory skills of black-footed ferrets (*Mustela nigripes*). Vargas, Astrid; Anderson, Stanley H. *Journal of Mammalogy*, Feb. 1999, v.80(1), p. 263-269. ill. ISSN: 0022-2372

NAL call no: 410.J823

Descriptors: breeding programs, skills development, food capture, experience.

Photoperiod manipulation to increase the productivity of black-footed ferrets and Siberian polecats. 1999. Branvold, H.A.; Biggins, D.E.; Wimsatt, J.H. *American Zoo and Aquarium Association Annual Conference Proceedings* 1999. p. 274-275.

Black-footed ferret reproduction and reintroduction in 1998. 1999. Vargas, Astrid. *Small Carnivore Conservation*, Apr. 20, 1999, p. 32. ISSN: 1019-5041.

Descriptors: breeding programs, release and relocation, recovery.

The effect of rearing methods on survival of reintroduced black-footed ferrets. 1998. Biggins, Dean E.; Godbey, Jerry L.; Hanebury, Louis R.; Luce, Bob; Marinari, Paul E.; Matchett, Marc R.; Vargas, Astrid. *Journal of Wildlife Management*, Apr. 1998, v. 62 (2), p. 643-653. ill. ISSN: 0022-541X.

Descriptors: release, relocation, programs, survival.

Ketamine-medetomidine or isoflurane immobilization of black-footed ferrets. Kreeger, Terry J.; Vargas, Astrid; Plumb, Glenn E.; Thorne, E. Tom. *Journal of Wildlife Management*, Apr. 1998, v. 62 (2), p. 654-662. ISSN: 0022-541X.
Descriptors: sedation, field immobilization, ketamine, medetomidine, isoflurane.

Fecal steroid profiles in black-footed ferrets exposed to natural photoperiod. 1997. Brown, J.L. *Journal of Wildlife Management*, 1997, v. 61 (4), p. 1428-1436. ISSN: 0022-541X.
Descriptors: photoperiods, steroid hormones, reproductive status.

The need for spatial optimization in modeling land capability: A black-footed ferret case example. 1997. Bevers, M. *Proceedings of the Society of American Foresters National Convention*, 1997, p. 332-337. ISSN: 0899-370X. ref.
NAL call no: SD143.S64
Descriptors: spacial optimization, ferret,

Effects of diet on captive black-footed ferret (*Mustela nigripes*) food preference. 1996. Vargas, A.; Anderson, S.H. *Zoo Biology*, 1996, v. 15 (2), p. 105-113. ill. ISSN: 0733-3188.
NAL call no: QL77.5.Z6
Descriptors: reintroduction, diet in captivity, effect on food preference, imprinting.

Growth and physical development of captive-raised black-footed ferrets (*Mustela nigripes*). 1996. Vargas, A.; Anderson, S.H. *American Midland Naturalist*, Jan. 1996, v. 135 (1), p. 43-52. ill. ISSN: 0003-0031.
NAL call no: 410.M58
Descriptors: sex differences, growth rate, development, captive reared.

Implanted microchips used to individually identify black-footed ferrets in Montana. 1996. Stoneberg, Ron A. *Prairie Naturalist*, Dec. 1996, v. 28 (4), p. 163-168. ill. ISSN: 0091-0376.
Descriptors: marking techniques, implanted microchips, identification.

Black-footed ferrets. 1995. Biggins, D.; Godbey, J. LaRoe, E.T.; Farris, G.S.; Puckett, C.E.; Doran, P.D.; Mac, M.J. (Eds.). *Our Living Resources: A report to the nation on the distribution, abundance, and health of U.S. plants, animals and ecosystems*. U.S. Dept. Of the Interior, National Biological Service, Washington, D.C. 1995. i-xi, 1-530 p. Chapter pagination: 106-108. ill.
Descriptors: breeding programs, habitat management, reintroduction.

The Black-footed Ferret. 1995. Silverstein, Alvin; Silverstein, Virginia B.; Nunn, Laura S. Brookfield: Millbrook Press Inc. Sept. 1995. 64 p. ill. ISBN: 1562945521.

Management of an endangered species: The black-footed ferret. 1994. Biggins, D.E.; Thorne, E.T. Meffe, G.K.; Carroll, C.R. *Principles of Conservation Biology*. Sinauer Associates Inc. Sunderland, MA. 1994. i-xix. 1-600 p. Chapter pagination: 369-374. ill. ISBN: 0878935193.
Descriptors: conservation measures, case report overview.

Plague in a black-footed ferret (*Mustela nigripes*). 1994. Williams, E.S.; Mills, K.; Kwiatkowski, D.R.; Thorne, E.T.; Boerger, Fields A. *Journal of Wildlife Diseases*, Oct. 1994, v. 30 (4), p. 581-585. ISSN: 0090-3558.
Descriptors: bacterial diseases, occurrence, plague, host, pathology.

FWS experiments with black-footed ferret. 1993. Skeele, T.; Carlton, J. *Wild Earth*, Fall 1993, v. 3 (3), p. 15-16. ill. ISSN: 1055-1166.
Descriptors: release, relocation, conservation, endangered species.

Gastroenteritis associated with Clostridium perfringens type A in black-footed ferrets (*Mustela nigripes*). 1993. Schulman, F.Y.; Montali, R.J.; Hauer, P.J. *Veterinary Pathology*, 1993, v. 30 (3), p. 308-310. ref. ISSN: 0300-9858.
NAL call no: 41.8.P27
Descriptors: stomach diseases, histopathology, ferrets, gastroenteritis.

Correlation of testicular size to fecal steroid concentrations in the black-footed ferret. 1992. Wieser, C.M.; Gross, T.S.; Patton, M. *Animal Keepers Forum*, 1992, v. 19 (11), p. 389-393. ISSN: 0164-9531.
NAL call no: QL77.5.A54
Descriptors: ferrets, testosterone, breeding season, feces composition.

Disease management in the black-footed ferret (*Mustela nigripes*) reintroduction program in Wyoming. 1992. Williams, E.S.; Thorne, E.T.; Kwiatkowski, D.R.; Oakleaf, B. *American Association of Zoo Veterinarians Annual Proceedings* 1992, p.10-11. ISSN: 0095-0610.
Descriptors: disease management, release, pathological techniques.

Captive breeding of black-footed ferrets (*Mustela nigripes*) and comparative reproductive efficiency in 1 year old versus 2 year old animals. 1991. Carvalho, C.F.; Howard, J.G.; Collins, L.; Wemmer, C.; Bush, M.; Wildt, D.E. *Journal of Zoo and Wildlife Medicine*. 1992, v. 22 (1), p. 96-106. ref. ISSN: 1042-7260.
Descriptors: wild animals, captive, reproduction.

Conservation Biology and the Black-footed Ferret. 1989. Seal, Ulysses S. New Haven: Yale University Press. Oct. 1989. 32 p. ISBN: 0300041233.

Biology of the Black-footed Ferret. 1989. Clark, Tim W.; Casey, Denise; Parker, Pamela. Philadelphia: Wildlife Preservation Trust International Inc. Aug. 1989. 192 p. ill. ISBN: 0962436801.

Blackfooted Ferret. 1985. Casey, Denise. New York: Penguin Putnam Books for Young Readers. Oct. 1985. 64 p. ill. ISBN: 039608625X.

CARE/HOUSING

Ferrets: Complete Care Made Easy. 2001. Dustman, Karen Dale. Irvine: BowTie Press. Dec. 2001. ISBN: 1889540722.

Ferret Litter Box Training Manual: The Comprehensive Guide to Litter Box Training Your Pet Ferret. 2001. Shefferman, Mary R.; Shefferman, Eric. Smithtown: Crunchy Concepts Inc. 2001. 96 p. ISBN: 0966707311.

Assessing spatial activity in captive feral ferrets, Mustela furo L. (Carnivora Mustelidae). 2000. Medina, Vogel G.; Hickling, G.J.; Clapperton, B.K. *New Zealand Journal of Zoology*, Jun. 2000, v. 27 (2), p. 75-83. ISSN: 0301-4223.
Descriptors: animal care, behavior.

Behavioral problems in small mammals. 2000. Hoefer, H.L. *Proceedings of the North American Veterinary Conference*. Eastern States Veterinary Association, 2000, v. 14, p. 1011-1013. Jan. 15-19, 2000, Orlando, FL.
NAL call no: SF605.N672
Descriptors: behavior problems, ferrets, rabbits, rodents.

Ferrets, rabbits and rodents: Basic medical management and clinical techniques parts I and II. 1998. Queensberry, K.; Bryden, D. *Internal Medicine: Small Companion Animals*. The T.G. Hungerford course for veterinarians. Proceedings 306. Stephen Roberts Lecture Theatre, University of Sydney, Australia. 15-19 Jun. 1998. P. 41-51. ISBN: 187558269X.
Descriptors: diagnosis, techniques, therapy, drug therapy, clinical examination.

Space use and denning behavior of wild ferrets (Mustela furo) and cats (Felis catus). 1998. Norbury, G.L.; Norbury, D.C.; Heyward, R.P. *New Zealand Journal of Ecology*, 1998, v. 22 (2), p. 149-159. ref. ISSN: 0110-6465.
Descriptors: ferrets, tuberculosis, transmission, pest control.

Care of ferrets. 1997. Boness, J.M. *The Veterinary Record*, Apr. 19, 1997, v. 140 (16), p. 436. ISSN: 0042-4900.
NAL call no: 41.8.V641
Descriptors: ferrets, care, veterinary medicine.

The husbandry of ferrets. 1994. Allmacher, G. *Deutsche Tierärztliche Wochenschrift*, 1994, v. 101 (3), p. 92-93. ref. ISSN: 0341-6593.
Language: German.
Descriptors: animal husbandry, laboratory animals, feeding.

A Practical Guide to Ferret Care. 1994. Jeans, Deborah; Lima, Monica. Coconut Grove: Ferrets Inc. Jan. 1994. 146 p. ill. ISBN: 0964258900.

S.A. Ferret Association's Guide to Keeping Ferrets. 1992. Smith, Geoffrey. South Australia Ferret Association, Windsor Gardens, S. Australia. 1992, 24 p. ill. ref. ISBN: 064608805X.
NAL call no: SF459.F47S24
Descriptors: ferrets as pets, bibliography.

Housing and management. 1988. Fox, J.G. *Biology and Diseases of the Ferret*. James D. Fox (Ed.). Philadelphia: Lea and Febiger, 1988, p. 153-156. ill. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: animal housing, cages, environment, husbandry, restraint.

A cage for the ferret. 1987. Scharmann, W.; Wolff, D. *Laboratory Animals*, Jan. 1987, v. 21 (1), p. 43-47. ill. ISSN: 0023-6772.
NAL call no: QL55.A1L3
Descriptors: ferrets, husbandry, cages, design, handling.

CIRCULATORY / CARDIOVASCULAR

Adenosine affects the sarcoplasmic reticulum Ca₂₊ release by acting on A2A receptors in Saponin-skinned ferret cardiac fibres. 2002. Hlehel, W.; Huchet, Cadiou, C.; Leoty, C. *Pfluegers Archives European Journal of Physiology*, Mar. 2002, v. 443 (Suppl. 1), p. S347. ISSN: 0031-6768.

Descriptors: ferret, cardiovascular system, endocrine system, heart.

Cloning and characterization of KChIP isoforms from ferret heart. 2001. Patel, Sangita; Wang, Shimin; Qu, Yujie; Campbell, Donald L.; Strauss, Harold C.; Morales, Michael J. *Biophysical Journal*, Jan. 2001, v. 80 (1 Part 2), p. 203a. ISSN: 0006-3495.

NAL call no: 442.8.B5238

Descriptors: circulatory system, cardiovascular system, heart, epicardium.

Deoxygenation stimulates Na⁺-K⁺-2Cl⁻-cotransport in ferret erythrocytes. 2001. Flatman, Peter W. *Journal of Physiology*, Mar. 2001, 531 p. p. 122-123. ISSN: 0022-3751.

Descriptors: blood, lymphatics, biochemistry, molecular biophysics, circulation.

Effect of light regime on some biochemical parameters in ferret blood. 2001. Rafay, J.; Kolataj, A.; Klusek, J. *Sciences*, 2001, v. 47 (2), p. 154-158. ISSN: 0551-3677.

Descriptors: ferret, light regimes, blood, biochemistry.

Alterations by norepinephrine of cardiac sympathetic nerve terminal function and myocardial beta-adrenergic receptor sensitivity in the ferret: Normalization by antioxidant vitamins. 2000. Liang, Chang Seng; Rounds, Naomi Kenmotsu; Dong, Erdan; Stevens, Suzanne Y.; Shite, Junya; Qin, Fuzhong. *Circulation*, Jul. 4, 2000, v. 102 (1), p. 96-103. ISSN: 0009-7322.

Descriptors: heart failure, heart disease, antioxidant vitamins.

Ca₂₊-calmodulin-dependent protein kinase II-dependent activation of contractility in ferret aorta. 2000. Kim, Inkyeom; Je, Hyun dong; Gallant, Cynthia; Zhan, Qian; Van Riper, Dee; Badwey, John A.; Singer, Harold A.; Morgan, Kathleen G. *Journal of Physiology*, Jul. 15, 2000, v. 526 (2), p. 367-374. ISSN: 0022-3751.

Descriptors: cardiovascular system, aorta, contractility activation, vascular smooth muscle.

Ca super (2+)-calmodulin-dependent protein kinase II-dependent activation of contractility in ferret aorta. 2000. Kim, I.; Je, H.D.; Gallant, C.; Zhan, Q.; Van Riper, D.; Badwey, J.A.; Singer, H.A.; Morgan, K.G. *Journal of Physiology*, 2000, v. 526 (2), p. 367-374. ISSN: 0022-3751.

Descriptors: vascular system, muscle contraction, aorta, phosphorylation.

Ca super (2+) influx via the L-type Ca super (2+) channel during tail current and above current reversal potential in ferret ventricular myocytes. 2000. Zhou, Z.; Bers, D.M. *Journal of Physiology*, Feb. 15 2000, v. 523 (1), p. 57-66. ISSN: 0022-3751.

Descriptors: cardiac muscle, heart, myocytes, calcium influx.

Cardiac Ca channel II - III loop peptide depresses E-C coupling in ferret ventricular myocytes. 2000. Li, Y.; Marks, A.R.; Bers, D.M. *Biophysical Journal*, Jan. 2000 . ISSN: 0006-3495.

NAL call no: 442.8.B5238

Descriptors: membranes, muscular system, calcium channel, cardiac muscle.

Effects of sevoflurane on the contractility of ferret ventricular myocardium. 2000. Bartunek, Anna B.; Housmans, Philippe R. *Journal of Applied Physiology*, Nov. 2000, v. 89 (5), p. 1778-1786. ISSN: 8750-7587.

Descriptors: calcium ion, sevoflurane, general anesthetic drug.

Estimation of systolic and diastolic free intracellular Ca super (2+) by titration of Ca super (2+) buffering in the ferret heart. 2000. Kirschenlohr, H.L.; Grace, A.A.; Vandenberg, J.I.; Metcalfe, J.C.; Smith, G.A. *Biochemical Journal*, Mar. 2000, v. 346 (2), p. 385-391. ISSN: 0264-6021.

NAL call no: QP501.B64

Descriptors: calcium, buffering, heart.

The involvement of angiotensin II and endothelin 1 in the slow inotropic response to stretch in ferret papillary muscle. 2000. Calaghan, S.C.; White, E. *Journal of Physiology*, Aug. 2000, 526 p., 85 p. ISSN: 0022-3751.

Descriptors: cardiac muscle, heart, muscular system, circulatory system.

Logistic time constant of isometric relaxation force curve of ferret ventricular papillary muscle; Reliable index of lusitropism. 2000. Mizuno, Ju.; Araki, Junichi.; Mikane, Takeshi; Mohri, Satoshi.; Imaoka, Takeshi; Matsubara, Hiromi; Okuyama, Hiroshi; Kurihara, Satoshi; Ohe, Tohru; ; Hirakawa, Masahisa; Suga, Hiroyuki. *Japanese Journal of Physiology*, Oct. 2000, v. 50 (5), p. 479-487. ISSN: 0021-521X.

Descriptors: cardiovascular system, physiology, myocardium.

M-mode and Doppler echocardiographic findings in normal ferrets sedated with ketamine hydrochloride and midazolam. 2000. Stepien, R.L.; Benson, K.G.; Wenholz, L.J. *Veterinary Radiology and Ultrasound*, Oct. 2000, v. 41, p. 452-456. ref. ISSN: 1058-8183. .

NAL call no: SF757.8.A4

Descriptors: ketamine, midazolam, Doppler echocardiographic findings,M—mode.

Sodium ion is essential for rapid cooling-induced Ca²⁺ release from sarcoplasmic reticulum in skinned ferret cardiac muscles. 2000. Tanaka, Etsuko; kurihara, Satoshi. *Journal of Molecular and Cellular Cardiology*, Nov. 2000, v. 32 (11), p. A116. ISSN: 0022-2828.

Descriptors: cardiac muscle, circulatory system, papillary muscle, sodium ion.

Blockade of putative beta4-and beta1-adrenoceptors by carvedilol in ferret myocardium. 1999. Lowe, M.D.; Grace, A.A.; Kaumann, A.J. *Naunyn Schniedeburg's Archives of Pharmacology*, May 1999, v. 359 (5), p. 400-403. ISSN: 0028-1298.

Descriptors: myocardium metabolism, atrium drug effects, ventricle drug effects,

Comparison of the effects of acidosis on cloned outward K⁺ channels fKv1.4 and rKv4.2 from ferret and rat ventricles. 1999. Claydon, T.W.; Sivaprasadarao, A.; Lancaster, M.K.; Boyett, M.R.; Orchard, C.H. *Journal of Physiology*, Dec. 1999, 521p.: 20p. ISSN: 0022-3751.

Descriptors: acidosis, metabolic diseases, cardiovascular system, circulation.

Distinct transient outward potassium current (Ito) phenotypes and distribution of fast-inactivating potassium channel alpha subunits in ferret left ventricular myocytes. 1999. Brahmajothi,

M.V.; Campbell, D.L.; Rasmusson, R.L.; Morales, M.J.; Trimmer, J.S.; Nerbonne, J.M.; Strauss, H.C. *The Journal of General Physiology*, Apr. 1999, v. 113 (4), p. 581-600. ISSN: 0022-1295.
Descriptors: myocardium metabolism, potassium channel metabolism, heart.

Haematological examinations of the ferret (*Mustela putorius furo*). 1999. Bottle, M.; Erwingmann, A.; Gobel, T. *Kleintierpraxis*, 1999, v. 44 (9), p. 673-682. ref. ISSN: 0023-2076.
Language: German.
Descriptors: haematology, methodology, normal values, differential staining.

Intracellular free calcium accumulation in ferret vascular smooth muscle during crystalloid blood cardioplegic infusions. 1999. Tofukuji, M.; Matsuda, N.; Dessy, C.; Morgan, K.G.; Sellke, F.W. *The Journal of Thoracic and Cardiovascular Surgery*, Jul. 1999, v. 118 (1), p. 163-172. ISSN: 0022-5223.
Descriptors: smooth muscle, drug evaluation, cardiology, calcium.

Isozyme-specific inhibitors of protein kinase C translocation: Effects on contractility of single permeabilized vascular muscle cells of the ferret. 1999. Lee, Y.H.; Kim, I.; Laporte, R.; Walsh, M.P.; Morgan, K.G. *The Journal of Physiology*, Jun. 15, 1999, v. 517 (Pt 3), p. 709-720. ISSN: 0022-3751.
Descriptors: enzyme inhibitors, isoenzymes, drug effects, smooth muscle.

Normal haematological values for ferrets, determined by two automated analytical systems and by manual methods. 1999. Bottle, M. *Thesis*, 1999, 99 p. Can be viewed at: <http://www.vetmed.fu-berlin.de>. 11 p. of ref.
Language: German.
Descriptors: haematology, blood cells, normal values.

Oxidative responses in ferret macrophages. 1999. Cross, M.L.; Qureshi, T.; Mackintosh, C.G. *Veterinary Immunology and Immunopathology*, Feb. 1, 1999, v. 67 (2), p. 171-184. ref. ISSN: 0165-2427.
NAL call no: SF757.2.V38
Descriptors: ferrets, oxidation, macrophages.

Radiographic measurements of cardiac size in normal ferrets. 1999. Stepien, R.L.; Benson, K.G.; Forrest, L.J. *Veterinary Radiology and Ultrasound*, Nov./Dec. 1999, v. 40 (6), p. 606-610. ref. ISSN: 1058-8183.
NAL call no: SF757.8.A4
Descriptors: ferrets, heart, size, radiography, body weight, cardiomyopathy.

Regulation of Na⁺-K⁺-2Cl⁻ cotransport by protein phosphorylation in ferret erythrocytes. 1999. Flatman, P.W.; Creanor, J. *The Journal of Physiology*, Jun. 15, 1999, v. 517 (pt 3), p. 699-708. ISSN: 0022-3751.
Descriptors: erythrocytes, metabolism, potassium, blood, proteins.

Stimulation of Na⁺-K⁺-2Cl⁻-cotransport by arsenite in ferret erythrocytes. 1999. Flatman, P.W.; Creanor, J. *The Journal of Physiology*, Aug. 15, 1999, v. 519 (Pt. 1), p. 143-152. ISSN: 0022-3751.
Descriptors: blood, metabolism, drug effects, physiology, arsenites, transport.

Action potential shortening through the putative beta4-adrenoceptor in ferret ventricle:

Comparison with beta1- and beta2-adrenoceptor-mediated effects. 1998. Lowe, M.D.; Grace, A.A.; Vandenberg, J.I.; Kaumann, A.J. *British Journal of Pharmacology*, Aug. 1998, v. 124 (7), p. 1341-1344. ISSN: 0007-1188.

Descriptors: heart, ventricle, physiology, drug effects, receptors.

Cocaine blockade of the acetylcholine-activated muscarinic K super (+) channel in ferret cardiac myocytes. 1998. Xiao, Y.F.; Morgan, J.P. *Journal of Pharmacology and Experimental Therapeutics*, 1998, v. 284 (1), p. 10-18. ISSN: 0022-3565.

Descriptors: cocaine, heart, myocytes, potassium channels.

Effects of acidosis on Ca²⁺ sensitivity of contractile elements in intact ferret myocardium. 1998.

Komukai, E.; Ishikawa, T.; Kurihara, S. *The American Journal of Physiology*, Jan. 1998, v. 274 (1 Pt 2), p. H147-H154. ISSN: 0002-9513.

Descriptors: acidosis, myocardial contraction, drug effects, pharmacology.

Potential of the contraction following a prolonged depolarization in isolated ferret myocardium.

1998. Arlock, P.; Wholfart, B.; Noble, M. *Acta Physiologica Scandinavica*, May 1998, v163 (1), p. 3-11. ISSN: 0001-6772.

Descriptors: myocardial contraction physiology, calcium metabolism, heart physiology.

The role of nitric oxide in the control by the vagal nerves of the heart of the ferret. 1998. Conlon, K.;

Collins, T.; Kidd, C. *Experimental Physiology*, Jul. 1998, v. 83 (4), p. 469-480. ISSN: 0958-0670.

Descriptors: pharmacology, drug effects, physiopathology, metabolism.

Ca²⁺ release induced by rapid cooling and caffeine in ferret ventricular muscles. 1997. Tanaka, E.

Japanese Journal of Physiology, Jun. 1997, v. 47 (3), p. 263-272. ISSN: 0021-521X.

Descriptors: caffeine pharmacology, cold, drug effects, calcium metabolism.

Comparison of inotropic effect of calcium, endothelin-1, and forskolin on ferret papillary muscles during acidosis. 1997. Ishiguro, Y.; Morgan, J.P. *Fundamental and Clinical Pharmacology*, 1997,

v. 11 (3), p. 215-220. ISSN: 0767-3981.

Descriptors: acidosis metabolism, drug effects, pharmacology.

Contribution of mitochondria to the removal of intracellular Ca²⁺ induced by caffeine and rapid cooling at low temperatures in ferret ventricular muscles. 1997. Tanaka, E.; Kurihara, S.

Japanese Journal of Physiology, Jun. 1997, v. 47 (3), p. 251-262. ISSN: 0021-521X.

Descriptors: heart, metabolism, mitochondria, caffeine.

Developmental changes in regulation of the Na⁺, K(+)-ATPase alpha 3 isoform by thyroid hormone in ferret heart. 1997. Book, C.B.; Sun, X.; Ng, Y.C. *Biochimica et Biophysica Acta*, Sept. 11, 1997, v. 1358 (2), p. 172-180. ISSN: 0006-3002.

NAL call no: 381.B522

Descriptors: isoenzymes, metabolism, myocardium, Na⁺-K⁺ exchange.

Effects of ruthenium red on the cellular functions and ultrastructure in intact ferret ventricular muscles. 1997. Tanaka, E.; Kawai, M.; Kurihara, S.; Hotta, Y.; Soji, T. *Japanese Journal of*

Physiology, Jun. 1997, v. 47 (3), p. 273-281. ISSN: 0021-521X.

Descriptors: papillary muscles, myocardial contraction, pharmacology, physiology.

Energy metabolism in normal and hypertrophied right ventricle of the ferret heart. 1997. Do, E.;

Baudet, S.; Verdys, M.; Touzeau, C.; Bailly, F.; Lucas, Heron B.; Sagniez, M.; Rossi, A.; Noireaud, J. *Journal of Molecular and Cellular Cardiology*, Jul. 1997, v. 29 (7), p. 1903-1913. ISSN: 0022-2828.

Descriptors: energy metabolism, glycolysis, heart ventricle.

Inhibition of maxi-K currents in ferret portal vein smooth muscle cells by the antifungal clotrimazole. 1997. Rittenhouse, A.R.; Parker, C.; Brugmara, C.; Morgan, K.G.; Alper, S.L. *The American Journal of Physiology*, Jul. 1997, v. 273 (1 Pt 1), p. C45-C56. ISSN: 0002-9513.

Descriptors: pharmacology, metabolism, drug effects, physiology

The role of Na⁺-Ca²⁺ exchange current in electrical restitution in ferret ventricular cells. 1997.

Janvier, N.C.; McMorn, S.O.; Harrison, S.M.; Taggart, P.; Boyett, M.R. *The Journal of Physiology*, Oct. 15, 1997, v. 504 (Pt. 2), p. 301-314. ISSN: 0022-3751.

Descriptors: calcium metabolism, myocardium metabolism, sodium metabolism.

The role of inward Na⁺-Ca²⁺ exchange current in the ferret ventricle action potential. 1997. Janvier,

N.C.; Harrison, S.M.; Boyett, M.R. *The Journal of Physiology*, Feb. 1, 1997, v. 498 (Pt. 3), p. 611-625. ISSN: 0022-3751.

Descriptors: heart ventricle cytology, physiology, action potentials, myocardium.

MDL-28170, a membrane permeant calpain inhibitor, attenuates stunning and PKC epsilon proteolysis in reperfused ferret hearts. 1997. Urthalier, F.; Wolkowicz, P.E.; Digerness, S.B.; Harris, K.D.; Walker, A.A. *Cardiovascular Research*, Jul. 1997, v. 35 (1), p. 60-67. ISSN: 0008-6363.

Descriptors: cell membrane permeability, calcium metabolism, myocardial ischemia.

Negative inotropic effect of methylecgonidine, a major product of cocaine base pyrolysis, on ferret and human myocardium. 1997. Woolf, J.H.; Huang, L.; Ishiguro, Y.; Morgan, J.P. *Journal of Cardiovascular Pharmacology*, Sept. 1997, v. 30 (3), p. 352-359. ISSN: 0160-2446.

Descriptors: cocaine analogs and derivatives, anesthesia, anesthetics, ferrets.

Selectivity of BMS-180448 on myocardial versus brain blood flow in dogs and ferrets. 1997.

Weselcouch, E.O.; Gomoll, A.W. *Journal of Cardiovascular Pharmacology*, Jul. 1997, v. 30 (1), p. 61-68. ISSN: 0160-2446.

Descriptors: cerebrovascular circulation, drug effects, coronary circulation.

Cardioprotection associated with preconditioning in the anesthetized ferret. 1996. Gomoll, A.W.

Basic Research in Cardiology, Nov./Dec. 1996, v. 91 (6), p. 433-443. ISSN: 0300-8428.

Descriptors: pharmacology, metabolism, drug effects, ischemic preconditioning.

Effects of caffeine and cyclopiazonic acid on contractile proteins of adult and newborn ferret cardiac fibres. 1996. Bonnet, V.; Leoty, C. *Journal of Molecular and Cellular Cardiology*, Jun.

1996, v. 28 (6), p. 1287-1295. ISSN: 0022-2828.

Descriptors: aging physiology, heart physiology, ventricle, drug effects.

Effect of intracellular pH on ferret pulmonary arterial smooth muscle cell, calcium homeostasis and pressure. Farrukh, I.S.; Hoidal, J.R.; Barry, W.H. *Journal of Applied Physiology*, Feb. 1996, v. 80 (2), p. 496-505. ISSN: 8750-7587.
Descriptors: calcium metabolism, drug effects, cytology, smooth muscle.

An estimate of the participation of the sarcoplasmic reticulum in the intracellular Ca²⁺ regulation in adult and newborn ferret hearts. 1996. Bonnet, V.; Leoty, C. *Comparative Biochemistry and Physiology: Part A-Physiology*, Dec. 1996, v. 115 (4), p. 341-348. ISSN: 1096-4940.
Descriptors: heart, ventricle, myocardial contraction, calcium physiology.

Magnesium transport in magnesium-loaded ferret red blood cells. 1996. Flatman, P.W.; Smith, L.M. *Pflugers Archive European Journal of Physiology*, Oct. 1996, v. 432 (6), p. 995-1002. ISSN: 0031-6768.
Descriptors: erythrocytes metabolism, magnesium blood pharmacology, drug effects.

Modulation of vagal actions on heart rate produced by inhibition of nitric oxide synthase in the anaesthetized ferret. 1996. Conlon, K.; Collins, T.; Kidd, C. *Experimental Physiology*, May 1996, v. 81 (3), p. 547-550. ISSN: 0958-0670.
Descriptors: heart rate physiology, nitric oxide physiology, vagus nerve physiology.

Na(+) - K(+) -2Cl- cotransport, Na+/H+ exchange, and cell volume in ferret erythrocytes. 1996. Mairbaurl, H.; Herth, C. *The American Journal of Physiology*, Nov. 1996, v. 271 (5 Pt. 1), p. C1603-1611. ISSN: 0002-9513.
NAL call no: 447.8.AM3
Descriptors: blood pharmacology, metabolism, cytology, drug effects, physiology.

Blood values of ferrets seen in small-animal practice. 1995. Richter, G. 1995, 86 pp. ref. Tierarztliche Fakultat. Ludwig-Maximilians University, Munchen, Germany.
Language: German.
Descriptors: blood cells, haemoglobin, normal values, haematology.

Comparison of twitch force and calcium handling in papillary muscle from right ventricular pressure overload hypertrophy in weanling and juvenile ferrets. 1995. Gwathmey, J.K.; Liao, R.; Ingwall, J.S. *Cardiovascular Research*, Apr. 1995, v. 29 (4), p. 475-481. ISSN: 0008-6363.
Descriptors: hypertrophy, ventricular enzymology, myocardium enzymology.

Effects of a new inotropic drug (DN-9693) on Ca²⁺ transients and contraction in ferret ventricular muscles. 1995. Tanaka, T.; Kawai, M.; Kurihara, S. *Journal of Cardiovascular Pharmacology*, Aug. 1995, v. 26 (2), p. 227-232. ISSN: 0160-2446.
Descriptors: calcium metabolism, myocardial contraction, drug effects.

Intracellular pH during hypoxia in normal and hypertrophied right ventricle of ferret heart. 1995. Do, E.; Baudet, S.; Gow, I.F.; Ellis, D.; Noireaud, J. *Journal of Molecular and Cellular Cardiology*, v. 27 (3), p. 927-939. ISSN: 0022-2828.
Descriptors: heart physiopathology, hypertrophy, metabolism, molecular biology.

Mechanisms of hypoxic vasodilation in ferret pulmonary arteries. 1995. Wiener, C.M.; Banta, M.R.; Dowless, M.S.; Flavahan, N.A.; Sylvester, J.T. *The American Journal of Physiology*, Sept. 1995, v. 269 (3 Pt. 1), p. L351-357. ISSN: 0002-9513.
Descriptors: anoxia physiopathology, pulmonary artery, vasodilation.

PAF induces relaxation of pulmonary arteries but contraction of pulmonary veins in the ferret.

1995. Gao, Y.; Zhou, H.; Raj, J.U. *The American Journal of Physiology*, Aug. 1995, v. 269 (2 Pt. 2), p. H704-709. ISSN: 0002-9513.

Descriptors: pulmonary veins, drug effects, pulmonary artery, vascular physiology.

Relaxation in ferret ventricular myocytes: Role of the sarcolemmal Ca ATPase. 1995. Bassani, R.A.;

Bassani, J.W.M.; Bers, D.M. *Pfluegers Arch, European Journal of Physiology*, 1995, v. 430 (4), p. 573-578. ISSN: 0031-6768.

Descriptors: heart, cardiomyocytes, sarcolemma, calcium, intracellular, ferrets.

Tension-dependent changes of the intracellular Ca²⁺ transients in ferret ventricular muscles. 1995.

Kurihara, S.; Komukai, K. *The Journal of Physiology*, Dec. 15, 1995, v. 489 (Pt. 3), p. 617-625. ISSN: 0022-3751.

Descriptors: calcium channels, metabolism, heart physiology, myocardial contraction.

Von Willebrand factor in plasma, platelets, and selected tissues of ferrets. 1995. Hoogstraten, Miller

S.; Bellinger, D.; Reddick, R.; Read, M.; Sigman, J.; Madden, V. *Laboratory Animal Science*, Apr. 1995, v. 45 (2), p. 151-159. ref. ISSN: 0023-6764.

NAL call no: 410.9.P94

Descriptors: ferrets, hemorrhagic diathesis, blood coagulation, plasma, antigens.

Biochemical, mechanical and energetic characterization of right ventricular hypertrophy in the ferret heart. 1994. Baudet, S.; Kuznetsov, A.; Merciai, N.; Ventura, Clapier R. *Journal of Molecular and Cellular Cardiology*, Dec. 1994, v. 26 (12), p. 1573-1586. ISSN: 0022-2828.

Descriptors: myocardial contraction physiology, hypertrophy, biomechanics.

Cardiac hypertrophy in the ferret increases expression of the Na(+)-K(+)-ATPase alpha 1- but not alpha 3 isoform. 1994. Book, C.B.; Wilson, R.P.; Ng, Y.C. *The American Journal of Physiology*, Mar. 1994, v. 266 (3 Pt. 2), p. H1221-1227.

Descriptors: cardiomegaly, metabolism, isoenzymes, myocardium metabolism.

Effects of acidosis and hypoxia on the response of isolated ferret cardiac muscle to inotropic agents.

1994. Than, N.; Shah, N.; White, J.; Lee, J.A.; Orchard, C.H. *Cardiovascular Research*, Aug. 1994, v. 28 (8), p. 1209-1217. ISSN: 0008-6363.

Descriptors: acidosis metabolism, anoxia metabolism, muscles metabolism.

Effect of cromakalim on skeletal muscle function and blood flow in the ferret ischemic hindlimb.

1994. Weselcouch, E.O.; Baird, A.J. *Pharmacology*, Aug. 1994, v. 49 (2), p. 75-85. ISSN: 0031-7012.

Descriptors: ischemia physiopathology, muscle, regional blood flow, drug effects.

Effects of a newly synthesized dihydropyridine, NZ-105, on intracellular Ca transients and tensions in ferret ventricular muscles. 1994. Kurihara, S.; Hongo, K.; Tanaka, T.; Tanaka, E. *Journal of Cardiovascular Pharmacology*, Aug. 1994, v. 24 (2), p. 274-280. ISSN: 0160-2446.

Descriptors: metabolism, pharmacology, drug effects, physiology.

Magnetic stimulation of ferret papillary muscle. 1994. Weidmann, S. *The Journal of Physiology*, Feb.

15, 1994, v. 475 (1), p. 169-173. ISSN: 0022-3751.

Descriptors: heart physiology, electromagnetic fields, papillary muscles physiology.

Myocardial infarction and purine transport inhibition in anaesthetised ferrets. 1994. Poucher, S.M.; Brooks, R.; Pleeth, R.M.; Conant, A.R.; Collis, M.G. *European Journal of Pharmacology*, Jan. 24, 1994, v. 252 (1), p. 19-27. ISSN: 0014-2999.
Descriptors: myocardial infarction, drug therapy, blood pressure, drug effects.

Relaxation in ferret ventricular myocytes: Unusual interplay among calcium transport systems. 1994. Bassani, R.A.; Bassani, J.W.; Bers, D.M. *The Journal of Physiology*, Apr. 15, 1994, v. 476 (2), p. 295-308. ISSN: 0022-3751.
Descriptors: calcium metabolism, myocardium cytology, heart metabolism, drug effects.

Ultra-slow voltage-dependent inactivation of the calcium current in guinea-pig and ferret ventricular myocytes. 1994. Boyett, M.R.; Honjo, H.; Harrison, S.M.; Zang, W.J.; Kirby, M.S. *Pfluegers Arch*, 1994, v. 428 (1), p. 39-50. ISSN: 0031-6768.
Descriptors: calcium currents, myocytes, heart, cardiac muscle.

The effect of acidosis on beta-adrenergic receptors in ferret cardiac muscle. 1993. Nommo, A.J.; Than, N.; Orchard, C.H.; Whitaker, E.M. *Experimental Physiology*, Jan. 1993, v. 78 (1), p. 95-103. ISSN: 0958-0670.
Descriptors: acidosis metabolism, papillary muscles metabolism.

Reference values for organ weight, hematology and serum chemistry in the female ferret (*Mustela putorius furo*). 1993. Ohwada, K.; Katahira, K. *Experimental Animals*, Tokyo, Apr. 1993, v. 42 (2), p. 135-142. ill. ISSN: 0007-5124.
Descriptors: reference values, blood, serum, organ weight, biochemistry.

Case reports on cardiomyopathy in the domestic ferret (*Mustela putorius furo*). 1992. Atkinson, R.M. *Journal of Small Exotic Animal Medicine*, 1992, v. 2 (2), p. 75-78. ref.
Descriptors: cardiomyopathy, drug therapy, heart diseases, ferret.

Ferret red cells: Na/Ca exchange and Na-K-Cl cotransport. 1992. Milanick, M.A. *Comparative Biochemistry and Physiology A: Comparative Physiology*, 1992, v. 102 (4), p. 619-624. ill.
ISSN: 0300-9629.
NAL call no: QP1.C6
Descriptors: blood cells, membrane transport systems, erythrocyte ion transport.

Intracellular calcium and ventricular fibrillation: Studies in the aequorin-loaded isovolumic ferret heart. 1991. Kihara, Y.; Morgan, J.P. *Circulatory Research*, 1991, v. 68 (5), p. 1378-1389.
Descriptors: arrhythmia, calcium, heart, ferrets, ventricle, fibrillation.

Lack of detectable blood groups in domestic ferrets: Implications for transfusion. 1990. Manning, D.D.; Bell, J.A. *Journal of the American Veterinary Medical Association*, Jul. 1, 1990, v. 197 (1), p. 84-86. ill. ref. ISSN: 0003-1488.
NAL call no: 41.8.AM3
Descriptors: blood groups, blood transfusions, erythrocytes, antibodies.

The electrocardiogram of normal ferrets and ferrets with right ventricular hypertrophy. 1985. Smith, S.H.; Bishop, S.P. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 268-271. ill. ref.

ISSN: 0023-6764.
NAL call no: 410.9.P94
Descriptors: ferrets, electrocardiograms, hypertrophy, ventricles.

DENTAL

BMP-7 gene transfer to inflamed ferret dental pulps. 2001. Rutherford, R. Bruce. *European Journal of Oral Sciences*, Dec. 2001, v. 109 (6), p. 422-424. ISSN: 0909-8836.
Descriptors: pulpitis, dental and oral disease, dentin, teeth.

Bone repair of experimentally induced through-and-through defects by Gore-Tex, Guidor, and Vicryl in ferrets: A pilot study. 2001. Baek, Seung Ho; Kim, Syngcuk. *Oral surgery, Oral Medicine, Oral Radiology, and Endodontics*, Jun. 2001, v. 91 (6), p. 710-714. ISSN: 1079-2104.
Descriptors: tissue regeneration, pilot study, bone disease, mandibular defect.

Effect of denervation on healing after tooth replantation in the ferret. 2001. Berggreen, Ellen; Sae-Lim, Varawan; Blelsa, Athanasia; Heyeraas, Karin J. *Acta Odontologica Scandinavica*, Dec. 2001, v. 59 (6), p. 379-385. ISSN: 0001-6357.
Descriptors: dental and oral system, pulp, sensory nerves, tooth.

Neuropeptide expression in the ferret trigeminal ganglion following ligation of the inferior alveolar nerve. 2001. Elcock, C.; Boissonade, F.M.; Robinson, P.P. *Archives of Oral Biology*, Aug. 2001, v. 46 (8), p. 729-743. ISSN: 0003-9969.
Descriptors: dental and oral system, trigeminal ganglion, nervous system.

Effect of the sensory neuropeptide antagonists h-CGR (8-37) and SR 140.33 on pulpal and gingival blood flow in ferrets. 2000. Berggreen, Ellen; Heyeraas, Karin J. *Archives of Oral Biology*, Jul. 2000, v. 45 (7), p. 537-542. ISSN: 0003-9969.
Descriptors: dental pulp, gingiva, blood flow, dental and oral system.

Response properties of trigeminal tooth pulp neurons to noxious heat and cold stimulation in the ferret. 2000. Ahn, D.K.; Maixner, W.; Doutova, E.A.; McNaughton, K.; Light, A.R.; Narhi, M. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No.428.6 ISSN: 0190-5295.
Descriptors: dental pulp, neurons, tooth, pulpitis.

Treatment of inflamed dental pulp with recombinant bone morphogenetic protein-7. 2000. Rutherford, R. Bruce; Gu, Keni. *European Journal of Oral Sciences*, Jun. 2000, v. 108 (3), p. 202-206. ISSN: 0909-8836.
Descriptors: bone morphogenetic protein, dental and oral system, recombinant.

The role of sensory neuropeptides and nitric oxide on pulpal blood flow and tissue pressure in the ferret. 1999. Berggreen, E.; Heyeraas, K.J. *Journal of Dental Research*, Sept. 1999, v. 78 (9), p. 1535-1543. ISSN: 0022-0345.
Descriptors: dental and oral system, cardiovascular system, pulpal blood flow.

Fos expression in the ferret trigeminal nuclear complex following tooth pulp stimulation. 1998. Oakden, E.L.; Boissonade, F.M. *Neuroscience*, 1998, v. 84 (4), p. 1197-1209. ISSN: 0306-4522.
Descriptors: teeth, trigeminal nucleus spinal, Fos protein.

Ontogeny of postcanine tooth from the ferret, Mustela putorius (Carnivora: Mammalia) and the evolution of dental diversity within the Mustelidae. 1998. Popowics, T.E. *Journal of Morphology*, Jul. 1998, v. 237 (1), p. 69-90. ref. ISSN: 0362-2525.
NAL call no: 444.8.J826
Descriptors: ferrets, teeth, morphology.

Pulp interstitial fluid pressure and blood flow after denervation and electrical tooth stimulation in the ferret. 1997. Jacobsen, E.B.; Heyeraas, K.J. *Archives of Oral Biology*, Jun. 1997, v. 42 (6), p. 407-415. ISSN: 0003-9969.
Descriptors: dental pulp physiology, cuspid blood supply, denervation.

The effect of cyclosporin-A on the oral microflora at gingival sulcus of the ferret. 1996. Fischer, R.G.; Edwardson, S.; Klinge, B.; Attstrom, R. *Journal of Clinical Periodontology*, Sept. 1996, v. 23 (9), p. 853-860. ISSN: 0303-6979.
Descriptors: drug effects, blood, pharmacology, isolation and purification.

Periapical changes after orthodontic movement of root-filled ferret canines. 1996. Mah, R.; Holland, G.R.; Pehowich, E. *Journal of Endodontics*, Jun. 1996, v. 22 (6), p. 298-303. ISSN: 0099-2399.
Descriptors: root canal therapy, adverse effects, periodontitis etiology, pathology.

Clinical and histological evaluation of ligature-induced periodontitis in the domestic ferret. 1994. Fischer, R.G.; Klinge, B. *Journal of Clinical Periodontology*, Apr. 1994, v. 21 (4), p. 230-239. ISSN: 0303-6979.
Descriptors: periodontitis, pathology, alveolar bone loss, dentin pathology.

Clinical and histological evaluation of ligature-induced periodontal breakdown in domestic ferrets immunosuppressed by Cyclosporin-A. 1994. Fischer, R.G.; Klinge, B. *Journal of Clinical Periodontology*, Apr. 1994, v. 21 (4), p. 240-249. ISSN: 0303-6979.
Descriptors: immunology, pathology, blood, drug effects, periodontitis.

The effect of nerve injury on the incidence and distribution of branched pulpal axons in the ferret. 1994. Foster, E.; Robinson, P.P. *Journal of Dental Research*, Dec. 1994, v. 73 (12), p. 1803-1810. ISSN: 0022-0345.
Descriptors: pathology, physiology, innervation, injuries, nerve injuries.

Nerve growth factor depletion reduces collateral sprouting of cutaneous mechanoreceptive and tooth-pulp axons in ferrets. 1994. Doubleday, B.; Robinson, P.P. *The Journal of Physiology*, Dec. 15, 1994, v. 481 (Pt. 3), p. 709-718. ISSN: 0022-3751.
Descriptors: dental pulp innervation, nerve growth factors, electrophysiology.

Odontoblast stimulation in ferrets by dentine matrix components. 1994. Smith, A.J.; Tobias, R.S.; Cassidy, N.; Plant, C.G.; Browne, R.M.; Begue, Kirm C.; Ruch, J.V.; Lesot, H. *Archives of Oral Biology*, Jan. 1994, v. 39 (1), p. 13-22. ISSN: 0003-9969.
Descriptors: dental pulp physiology, dentin, anatomy and histology, odontoblasts.

Oral microflora of the ferret at the gingival sulcus and mucosa membrane in relation to ligature-induced periodontitis. 1994. Fischer, R.G.; Edwardsson, S.; Klinge, B. *Oral Microbiology and Immunology*, 1994, v. 9 (1), p. 40-49. ISSN: 0902-0055.
Descriptors: oral microflora, periodontitis, ligation, animals.

Neural changes in periapical lesions after systemic steroids in the ferret. 1993. Holland, G.R. *Journal of Dental Research*, Jun. 1993, v. 72 (6), p. 987-992. ISSN: 0022-0345.
Descriptors: periapical periodontitis etiology, drug effects, drug therapy, adverse effects.

Normal histologic features of domestic ferret periodontium. 1993. Fischer, R.G.; Klinge, B.; Attstrom, R. *Scandinavian Journal of Dental Research*, Dec. 1993, v. 101 (6), p. 357-362. ISSN: 0029-845X.
Descriptors: periodontium anatomy and histology, tooth-root anatomy and histology.

The reinnervation of healing extraction sockets in the ferret. 1993. Mason, A.G.; Holland, G.R. *Journal of Dental Research*, Aug. 1993, v. 72 (8), p. 1215-1221. ISSN: 0022-0345.
Descriptors: tooth extraction, innervation, nerve regeneration.

Reduction of calculus accumulation in domestic ferrets with two dentifrices containing pyrophosphate. 1990. Mann, P.H.; Harper, D.S.; Regnier, S. *Journal of Dental Research*, 1990, v. 69 (2), p. 451-453.
Descriptors: calculus, pyrophosphate, ferrets, dentifrices.

DIGESTIVE SYSTEM

Antigastric autoantibodies in ferrets naturally infected with Helicobacter mustelae. 2001. Croinin, T.O.; Clyne, M.; Applemelk, B.J.; Drumm, B. *Infection and Immunity*, 2001, v. 69 (4), p. 2708-2713. ref. ISSN: 0019-9567.
Descriptors: autoantibodies, colon, duodenum, stomach mucosa, ferrets.

Characteristics of the digestive physiology in ferrets. 2001. Wolf, P.; Hebeler, D. *Kleintierpraxis*, 2001, v. 46 (3), p. 161-164. ISSN: 0023-2076. ref.
Language: German.
Descriptors: diets, energy digestibility, feed intake, urolithiasis, protein digestibility.

Investigation of the effects of YM-31636, a novel 5-HT3 receptor agonist, on defecation in normal and constipated ferrets. 2001. Ito, Hiroyuki; Kiso, Tetsuo; Yuki, Hidenobu; Naitoh, Yuki; Miyata, Keiji; Iwoaka, Kiyoshi; Yamaguchi, Tokio. *European Journal of Pharmacology*, Jul. 20, 2001, v. 424 (2), p. 151-157. ISSN: 0014-2999.
Descriptors: digestive system disease, diarrhea, emetic episodes.

Organization and neurochemistry of vagal preganglionic neurons innervating the lower esophageal sphincter in ferrets. 2001. Hyland, Niall P.; Abrahams, T. Patrick; Fuchs, Kristine; Burmeister, Melissa A.; Hornby, Pamela J. *Journal of Comparative Neurology*, Feb. 5, 2001, v. 430 (2), p. 222-234. ISSN: 0021-9967.
Descriptors: lower esophageal sphincter, innervation, muscular system.

Radiation-induced acute intestinal inflammation differs following total-body versus abdominopelvic irradiation in the ferret. 2001. Freeman, S.L.; Hossain, M.; MacNaughton, W.K. *International Journal of Radiation Biology*, Mar. 2001, v. 77 (3), p. 389-395. ISSN: 0955-3002.

Descriptors: Immune system, digestive system, radiation biology.

Adherence of isogenic flagellum-negative mutants of Helicobacter pylori and Helicobacter mustelae to human and ferret gastric epithelial cells. 2000. Clyne, Marguerite; O'Cronin, Tadhg; Suerbaum, Sebastian; Josenhans, Christine; Drumm, Brendan. *Infection and Immunity*, Jul. 2000, v. 68 (7), p. 4335-4339. ISSN: 0019-9567.

NAL call no: QR1.I57

Descriptors: infection, digestive system, bacteria, human, ferret.

Adherence mechanism of Helicobacter pylori and Helicobacter mustelae to primary human and ferret gastric cells. 2000. Clyne, M.; Ocroinin, T.; Drumm, B. *Gut*, Oct. 2000, v. 47 (Supplement 1), p. A1. ISSN: 0017-5749.

Descriptors: E. coli infection, bacterial disease, digestive system disease.

Co-innervation of both the lower esophageal sphincter and gastric fundus by vagal preganglionic neurons in ferrets. 2000. Hornby, Pamela J.; Hyland, Niall P.; Fuchs, Kristine M.; Abrahams, T.Patrick *Gastroenterology*, Apr. 2000, v. 118 (4 Suppl. 2 Part 1), AGA A129. ISSN: 0016-5085.

Descriptors: digestive system, gastroesophageal reflux disease, nervous system.

P2X purinoceptor-induced sensitization of ferret vagal mechanoreceptors in oesophageal inflammation. 2000. Page, Amanda J.; O'Donnell, Tracey A.; Blackshaw, L. Ashley. *Journal of Physiology*, Cambridge, Mar. 1, 2000, v. 523 (2), p. 403-411. ISSN: 0022-3751.

Descriptors: acute esophagitis, vagal mechanoreceptors, P2X purinoceptor.

Presence of NO synthase in vagal motor neurons innervating the lower esophageal sphincter in ferrets. 2000. Abrahams, T. Patrick; Hyland, Niall P.; Hornby, Pamela J. *Gastroenterology*, Apr. 2000, v. 118 (4 Suppl. 2 Part 1), AGA A128. ISSN: 0016-5085.

Descriptors: digestive system, nervous system, lower esophageal sphincter.

The role of 5-hydroxytryptamine3 and 5-hydroxytryptamine4 receptors in the regulation of gut motility in the ferret. 2000. Nagakura, Yukinori; Kiso, Tetsuo; Ito, Hiroyuki; Miyata, Keiji; Yamaguchi, Tokio. *Life Sciences*, May 5, 2000, v. 66 (24), p. 331-338. ISSN: 0024-3205.

Descriptors: digestive system, gut motility, stomach, receptors.

Surface ring-mutant strains of *H. mustelae* fail to persistently colonize the ferret stomach. 2000. Patterson, M.M.; Xu, S.; King, A.; Taylor, N.S.; Marini, R.P.; Forester, N.; O'Toole, P.W.; Noonan, B.; Trust, T.J.; Fox, J.G. *Gut*, Oct. 2000, v. 47 (Supplement 1), p. A63. ISSN: 0017-5749.

Descriptors: bacterial disease, digestive system disease, chronic gastritis.

An in vitro study of the properties of vagal afferent fibres innervating the ferret oesophagus and stomach. 1998. Page, A.J.; Blackshaw, L.A. *The Journal of Physiology*, Nov. 1, 1998, v. 512

(Part 3), p. 907-916. ISSN: 0022-3751.

Descriptors: esophagus innervation, stomach innervation, nerve fibers physiology.

Mechanisms of gastro-oesophageal reflux in the ferret. 1998. Blackshaw, L.A.; Staunton, E.; Dent, J.; Holloway, R.H.; Malbert, C.H. *Neurogastroenterology and Motility*, Feb. 1998, v. 10 (1), p. 49-56. ISSN: 1350-1925.

Descriptors: gastroesophageal, reflux, physiopathology.

Effect of nicotine on large bowel mucus thickness, eicosanoids and faecal proteinase in ferrets.

1997. Thomas, G.A.; Pullan, R.D.; Zijlstra, F.J.; Rankin, B.J.; Russell, N.A.; Feyerabend, C.; Allen, A.; Rhodes, J. *European Journal of Gastroenterology and Hepatology*, Feb. 1997, v. 9 (2), p. 179-182. ISSN: 0954-691X.

Descriptors: blood, metabolism, chemistry, drug effects, pathology.

Exposure to ionizing radiation increases responsiveness to neural secretory stimuli in the ferret jejunum in vitro. 1997. MacNaughton, W.K.; Leach, K.E.; Prud' Homme, LaLonde L.; Harding, R.K. *International Journal of Radiation Biology*, 1997, v. 72 (2), p. 219-226. ISSN: 0955-3002.

Descriptors: ionizing radiation, jejunum, inflammation, mast cells, electrolyte balance.

Gastrointestinal motor activity in conscious ferrets. 1997. Nagakura, Y.; Sohda, K.; Ito, H.; Miyata, K. *European Journal of Pharmacology*, Feb. 19, 1997, v. 321 (1), p. 53-57. ISSN: 0014-2999.

Descriptors: gastrointestinal, motility, physiology, drug effects.

Lower oesophageal sphincter responses to noxious oesophageal chemical stimuli in the ferret: Involvement of tachykinin receptors. 1997. Blackshaw, L.A.; Dent, J. *Journal of the Autonomic Nervous System*, Oct. 13, 1997, v. 66 (3), p. 189-200. ISSN: 0165-1838.

Descriptors: chemical stimuli, pain, esophagus, tachykinin receptors.

Nitric oxide synthase immunoreactive nerves in rat and ferret salivary glands, and effects of denervation. 1997. Alm, P.; Ekstrom, J.; Larsson, B.; Tobin, G.; Andersson, K.E. *The Histochemical Journal*, Sept. 1997, v. 29 (9), p. 669-676. ISSN: 001802214.

Descriptors: salivary glands innervation, sublingual gland innervation, nitric oxide.

Pyloric motor response to central and peripheral nitric oxide in the ferret. 1997. Lingenfelser, T.; Blackshaw, L.A.; Sun, W.M.; Dent, J. *Neurogastroenterology and Motility*, Sept. 1997, v. 9 (3), p. 167-175. ISSN: 1350-1925.

Descriptors: gastrointestinal, motility, physiology, smooth muscle physiology.

Vagal and sympathetic influences on the ferret lower oesophageal sphincter. 1997. Blackshaw, L.A.; Haupt, J.A.; Omari, T.; Dent, J. *Journal of the Autonomic Nervous System*, 1997, v. 66 (3), p. 179-188. ISSN: 0165-1838.

Descriptors: esophagus, vagus nerve, splanchnic nerve, tachykinin receptors.

Vagal efferent fibre responses to gastric and oesophageal mechanical and chemical stimuli in the ferret. 1997. Partosoedarso, E.R.; Blackshaw, L.A. *Journal of the Autonomic Nervous System*, 1997, v. 66 (3), p. 169-178. ISSN: 0165-1838.

Descriptors: vagus nerve, stomach, esophagus, mechanical stimuli, chemical stimuli.

Digestive lipases of the newborn ferret: Compensatory role of milk bile salt-dependent lipase.

1996. Sbarra, V.; Mas, E.; Henderson, T.R.; Hamosh, M.; Lombardo, D.; Hamosh, P. *Pediatric Research*, 1996, v. 40 (2), p. 263-268. ref. ISSN: 0031-3998.

Descriptors: animal models, triacylglycerol lipase, milk, fats, digestion.

Heliobacter mustelae-associated hypergastinemia in ferrets (*Mustela putorius furo*). 1996. Perkins, S.E.; Fox, J.G.; Walsh, J.M. *American Journal of Veterinary Research*, 1996, v. 57 (2), p. 147-150. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: gastrointestinal disease, peptic ulcers, gastritis, pathology.

Spontaneous development of fatty liver in ferrets in a toxicology study. 1996. Shavila, J.; King, L.J.; Parke, D.V. *Toxicology*, 1996, v. 112 (2), p. 105-116. ISSN: 0300-483X.

Descriptors: fatty liver, high fat diet, toxicity testing, lipid peroxidation.

Surface properties of Helicobacter mustelae and ferret gastrointestinal mucosa. 1996. Gold, B.D.; Islur, P.; Policova, Z.; Czinn, S.; Neumann, A.W.; Sherman, P.M. *Clinical and Investigative Medicine*, Apr. 1996, v. 19 (2), p. 92-100. ISSN: 0147-958X.

Descriptors: bacterial adhesion physiology, gastric mucosa microbiology.

Distribution of digestive enzyme activities along intestine in blue fox, mink, ferret and rat. 1995.

Oleinik, V.M. *Comparative Biochemistry and Physiology A: Comparative Physiology*, Sept. 1995, v. 112A (1), p. 55-58. ill. ISSN: 0300-9629.

NAL call no: QP1.C6

Descriptors: enzymes, digestion, intestine, digestive enzyme.

Long-term supplementation of canthaxanthin does not inhibit gastric epithelial cell proliferation in Heliobacter mustela-infected ferrets. 1995. Yu, Jing; Fox, J.G.; Blanco, M.C.; Yan, Lili; Correa, P.; Russell, R.M.; Yu, J.; Yan, L.L. *Journal of Nutrition*, 1995, v. 125 (10), p. 2493-2500. ref. ISSN: 0022-3166.

NAL call no: 389.9 J82

Descriptors: carcinogenesis, stomach mucosa, heliobacter, antineoplastic agents.

Presence and effects of pituitary adenylate cyclase activating peptide in the submandibular gland of the ferret. 1995. Tobin, G.; Asztely, A.; Edwards, A.V.; Ekstroem, J.; Haakanson, R.; Sundler, F. *Neuroscience*, 1995, v. 66 (1), p. 227-235. ISSN: 0306-4522.

Descriptors: submandibular gland, pituitary adenylate cyclase activating polypeptide.

CCK-8 contracts the gallbladder and colon through different mechanisms in the ferret. 1994.

Mitan, S.; Greenwood, B. *Annals of the New York Academy of Sciences*, Mar. 23, 1994, v. 713, p. 401-403. ISSN: 0077-8923.

NAL call no: 500.N484

Descriptors: colon physiology, gallbladder physiology, muscle contraction, drug effects.

Effect of high fat diet on liver microsomal oxygenations in ferret. 1994. Shavila, J.; Ioannides, C.; King, L.J.; Parke, D.V. *Xenobiotica*, 1994, v. 24 (11), p. 1063-1-67. ISSN: 0049-8254.

Descriptors: high fat diets, liver, microsomes, ferrets.

Megaesophagus in nine ferrets. 1994. Blanco, M.C.; Fox, J.G.; Rosenthal, K.; Hillyer, E.V.; Quesenberry, K.E.; Murphy, J.C. *Journal of the American Veterinary Medical Association*, 1994, v. 205 (3), p. 444-447. ref. ISSN: 0003-1488.
NAL call no: 41.8 AM3
Descriptors: symptoms, oesophageal diseases, case reports.

Topography and morphology of the liver in the hedge hog (*Hemiechinus auritus*), ferret (*Mustela furo*) and fruit eater bat (*Rousettus aegyptiacus*). 1994. Youssef, G.A.E.; Abd El Sheikh. *Zagazig Veterinary Journal*, (Egypt) 1994, v. 22 (4), p. 111-122. ref. Availability: EDICA, Nadi El Seid Street, Dokki, Cairo, Egypt.
Descriptors: ferrets, Chiroptera, liver, animal morphology, ferret.

Effects of 5-hydroxytryptamine on discharge of vagal mucosal afferent fibres from the upper gastrointestinal tract of the ferret. 1993. Blackshaw, L.A.; Grundy, D. *Journal of the Autonomic Nervous System*, Oct. 1993, v. 45 (1), p. 41-50. ISSN: 0165-1838.
Descriptors: intestinal mucosa innervation, nerve fibers, drug effects.

Role of nitric oxide and vasoactive intestinal polypeptide in vagally mediated relaxation of the gastric corpus in the anaesthetized ferret. 1993. Grundy, D.; Gharib-Naseri, M.K.; Hutson, D. *Journal of the Autonomic Nervous System*, 1993, v. 43 (3), p. 241-246. ISSN: 0165-1838.
Descriptors: nitric oxide, vasoactive intestinal peptide, role, vagus nerve.

Gastrointestinal diseases of ferrets (*Mustela putorius furo*). 1992. Hillyer, E.V. *Journal of Small Exotic Animal Medicine*, 1992, v. 2 (1), p. 44-45. ref.
Descriptors: gastroenteritis, digestive system diseases, rectal prolapse, parasitosis.

Jaw-muscle activity in ferrets, *Mustela putorius furo*. 1992. Dessem, D.; Druzinsky, R.E. *Journal of Morphology*, Aug. 1992, v. 213 (2), p. 275-286. ill. ISSN: 0362-2525.
NAL call no: 444.8 J826
Descriptors: jaw muscle function, skeletal muscle, jaw, ferret.

Feed consumption and food passage time in the mink and the European ferret. 1991. Bleavins, M.R.; Aulerich, R.J. *Research Report Michigan State University Agricultural Experiment Station*, Jan. 1991, no. 508, p. 1-5. ref. ISSN: 0543-8233.
NAL call no: 284.9 M58
Descriptors: feed intake, mink, polecats.

Cystic mucinous hyperplasia in the gallbladder of a ferret. 1987. Reindel, J.F.; Evans, M.G. *Journal of Comparative Pathology*, Sept. 1987, v. 97 (5), p. 601-604. ill. ref. ISSN: 0021-9975.
NAL call no: 41.8 J82
Descriptors: hyperplasia, gall bladder, cysts, histopathology. ferrets.

DISEASES

Aleutian mink disease parvovirus: Implications for companion ferrets. 2001. Stevenson, M.A.M.; Murray, J.; Gates, L. III; Bloom, M.E. *Compendium on Continuing Education for the Practicing Veterinarian*, 2001, v. 23 (2), p. 178-185. ref. ISSN: 0193-1903.

NAL call no: SF601.C66

Descriptors: Aleutian disease, clinical aspects, diagnosis, disease prevention.

Cross-bridge and calcium behavior in ferret papillary muscle in different thyroid states. 2001.

Yagi, Naoto; Saeki, Yasutake; Ishikawa, Tetsuya; Kuihara, Satoshi. *Japanese Journal of Physiology*, Jun. 2001, v. 51 (3), p. 319-326. ISSN: 0021-521X.

Descriptors: hyperthyroidism, endocrine disease/thyroid, hypothyroidism.

Hyperadrenocorticism in a ferret. 2001. Muller, A.; Quinton, J.F.; Chetboul, V.; Reviron, T.; Herbert,

C.; Gau, C. *Pratique Medicale and Chirurgicale de l'Animal de Compagnie*, 2001, v. 36 (1), p. 43-53. ref. ISSN: 1157-6960.

Language: French.

Descriptors: adrenal gland disease, alopecia, adrenalectomy, diagnosis.

Leuprolide acetate treatment of adrenocortical disease in ferrets. 2001. Wagner, R.A.; Bailey, E.M.;

Schneider, J.F.; Oliver, J.W. *Journal of the American Veterinary Medical Association*, 2001, v. 218 (8), p. 1272-1274. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: non communicable diseases, veterinary pharmacology, ferrets.

Persistent fetal intraocular vasculature in the European ferret (*Mustela putorius*): Clinical and

histological aspects. 2001. Lipsitz, L.; Ramsey, D.T.; Render, J.A.; Bursian, S.J.; Auelrich, R.J. *Veterinary Ophthalmology*, 2001, v. 4 (1), p. 29-33. ref. ISSN: 1463-5216.

Descriptors: blood vessels, cataract, disease models, congenital abnormalities, ferret.

Serologic evaluation, efficacy, and safety of a commercial modified-live canine distemper vaccine in domestic ferrets. 2001. Wimsatt, J.; Jay, M.T.; Innes, K.E.; Jessen, M.; collins, J.K. *American Journal of Veterinary Research*, 2001, v. 62 (5), p. 736-740. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: distemper virus, immunity, live vaccines, ferrets.

Adrenal gland disease in ferrets. 2000. Rosenthal, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 15-19, 2000, v. 14, p. 1015-1016.

NAL call no: SF605.N672

Descriptors: adrenal gland diseases, diagnosis, treatment.

Causes of splenomegaly in ferrets. 2000. Brown, S.A.; Rosenthal, K.L. *Veterinary Medicine*, Veterinary Medicine Publishing Group, Aug. 2000, v. 95 (8), p. 599. ref. ISSN: 8750-7943.

NAL call no: 41.8 M69

Descriptors: splenomegaly, etiology, diagnostic techniques, differential diagnosis.

Coronavirus-associated epizootic catarrhal enteritis in ferrets. 2000. Williams, B.H.; Kiupel, M.; West, K.H.; Raumond, J.T.; Grant, C.K.; Glickman, L.T. *Journal of the American Veterinary Medical Association*, 2000, v. 217 (4), p. 526-530. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: enteritis, diagnosis, viral diseases, intestinal diseases, pathology.

Correlation between age at neutering and age at onset of hyperadrenocorticism in ferrets. 2000.

Shoemaker, N.J.; Schuurmans, M.; Moorman, H.; Lumeij, J.T. *Journal of the American Veterinary Medical Association*, Jan. 15, 2000, v. 216 (2), p. 195-197. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: age, disease prevalence, gonadectomy, sex differences.

Diagnostic sampling in ferrets. 2000. Morrisey, J.K. *Exotic Pet Practice*, 2000, v. 5 (9), p. 65-66. ref.

ISSN: 1086-4288.

Descriptors: diagnosis, blood specimen collection, biopsy, aspiration, sampling.

Dose-dependent disease and protection following rechallenge with homologus or cross-serotype

Campylobacter jejuni in ferrets. 2000. Rollins, D.M.; Lee, L.H.; Harding, C.; Bourgeois, A.L.

Burr, D. *Abstract of the General Meeting of the American Society for Microbiology*. 2000, 100: 279. ISSN: 1060-2011.

Descriptors: diarrhea, digestive system disease.

Eosinophilic gastroenteritis in a domestic ferret. 2000. Fazakas, S. *Canadian Veterinary Journal*,

Sept. 2000, v. 41 (9), p. 707-709. ref. ISSN: 0008-5286.

NAL call no: 41.8 R3224

Descriptors: gastroenteritis, eosinophils, diagnosis, treatment.

Heart disease in ferrets. 2000. Dutton, M.A. *Exotic Pet Practice*, 2000, v. 5 (2), p. 9-10, 13. ref.

Descriptors: heart diseases, diagnosis, cardiomyopathy, treatment.

Heart disease in ferrets. 2000. Hoefer, H.L.; Bonagura, J.D. *Kirk's Current Veterinary Therapy XIII: Small Animal Practice*, 2000, p. 1144-1148. ref. ISBN: 0721655238.

Descriptors: heart disease, clinical aspects, diagnosis, radiography, drug therapy.

Induction of emetic, pyrexic, and behavioral effects of *Staphylococcus aureus* enterotoxin B in the ferret. 2000. Wright, Angela; Andrews, Paul L.R.; Titball, Richard W. *Infection and Immunity*,

Apr. 2000, v. 68 (4), p. 2386-2389. ISSN: 0019-9567.

NAL call no: QR1.I57

Descriptors: diarrhea, bacteria, Staphylococcal enterotoxin B.

Medical management of adrenal disease in the domestic ferret. 2000. Morrisey, J.K. *Exotic Pet Practice*, 2000, v. 5 (11), p. 81-82, 84. ref. ISSN: 1086-4288.

Descriptors: adrenal gland disease, drug therapy, treatment, endocrine diseases.

Mycobacterium genavense infection in two aged ferrets with conjunctival lesions. 2000. Lucas, J.;

Lucas, A.; Furber, H.; James, G.; Hughes, M.S.; Martin, P.; Chen, S.C.A.; Mitchell, D.H.; Love,

D.N.; Malik, R. *Australian Veterinary Journal*, 2000, v. 78 (10), p. 685-689. ref. ISSN: 0005-0423.

NAL call no: 41.8 AU72

Descriptors: lesions, conjunctiva, histopathology, ferrets.

New developments in research on hyperadrenocorticism in ferrets. 2000. Schoemaker, N.J. *Exotic-DVM*, ICE 2000. Proceedings of the International Conference on Exotics, May 12-14, 2000, v.

2 (3), p. 81-83. ref.

Descriptors: adrenal gland disease, ferrets.

Oral infection of ferrets with virulent *Mycobacterium bovis* or *Mycobacterium avium*: Susceptibility, pathogenesis and immune response. 2000. Cross, M.L.; Labes, R.E.; Mackintosh, C.G. *Journal of Comparative Pathology*, W.B. Saunders Co. Ltd. Jul. 2000, v. 123 (1), p. 15-21. ref. ISSN: 0021-9975.

NAL call no: 41.8 J82

Descriptors: experimental infection, susceptibility, *Mycobacterium*, pathogenesis.

Retrospective review of the ultrasonographic features of adrenal lesions in 21 ferrets. 2000. Besso, J.G.; Tidwell, A.S.; Gliatto, J.M. *Veterinary Radiology and Ultrasound*, Jul./Aug. 2000, v. 41 (4), p. 345-352. ref. ISSN: 1058-8183.

NAL call no: SF757.8.A4

Descriptors: ferrets, ultrasonography, clinical aspects, adrenal diseases, diagnosis.

A review of diseases of the ferret. 2000. Antinoff, N.; Burgess, M.; Garner, M. *Exotic-DVM*, 2000, v. 2 (2), p. 33-40.

Descriptors: pets, ferrets, diseases.

Spontaneous Aleutian disease in a ferret. 2000. Une, Y.; Wakimoto, Y.; Nakano, Y.; Konishi, M.; Nomura, Y. *Journal of Veterinary Medical Science*, May 2000, v. 62 (5), p. 553-555. ref. ISSN: 0021-5295.

Descriptors: Aleutian disease, ferrets, diagnosis, histopathology, lesions.

Successful treatment of invasive nasal cryptococcosis in a ferret. 2000. Malik, R.; Martin, P.; McGill, J.; Martin, A.; Love, D.N. *Australian Veterinary Journal*, 2000, v. 78 (3), p. 158-159. ref. ISSN: 0005-0423.

NAL call no: 41.8 AU72

Descriptors: cryptococcosis, nose, diagnosis, treatment, drug therapy, surgery.

Transmission of *Mycobacterium bovis* from experimentally infected ferrets to non-infected ferrets (*Mustela furo*). 2000. Qureshi, T.; Labes, R.E.; Lambeth, M.; Montgomery, H.; Griffin, J.F.T.; Mackintosh, C.G. *New Zealand Veterinary Journal*, 2000, v. 48 (4), p. 99-104. ref. ISSN: 0048-0169.

Descriptors: disease transmission, tuberculosis, disease vectors, reservoir hosts.

Update on ECE diseases in ferrets. 2000. Rosenthal, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan.5-19, 2000, v. 14, p. 1017-1018.

NAL call no: SF605.N672

Descriptors: enteritis, symptoms, diagnosis, treatment.

Vaccination against canine distemper virus infection in infant ferrets with and without maternal antibody protection, using recombinant attenuated poxvirus vaccines. 2000. Welter, Janet; Taylor, Jill; Tartaglia, James; Paoletti, Enzo; Stephensen, Charles B. *Journal of Virology*, 2000, v. 74 (14), p. 6358-6367. ISSN: 0022-538X.

NAL call no: QR369.J6

Descriptors: maternal antibody protection, vaccine, hemagglutinin.

Common ferret syndromes. 1999. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 9-13, 1999, v. 13, p. 839-842.

NAL call no: SF605.N672

Descriptors: ferrets, animal diseases.

Ferret adrenal disease: Alternatives to surgery. 1999. Johnson, Delaney C. *Exotic-DVM*, 1999, v. 1 (4), p. 19-22.

Descriptors: adrenal gland disease, treatment, drug therapy.

The ferret. Part 3: Diseases of the ferret according to clinical symptoms. 1999. Moorman, Roest J. *Tijdschrift voor Diergeneeskunde*, 1999, v. 124 (22), p. 661-670. ref. ISSN: 0040-7453.

Language: Dutch

Descriptors: symptoms, animal diseases, diagnosis.

Neural tube defects in a litter of ferrets. 1999. Campbell, T.W. *Exotic Pet Practice*, 1999, v. 4 (11), p. 84, 87. ref.

Descriptors: fetal death, deformities, congenital abnormalities, anencephaly.

Non-infectious disorders of ferrets. 1999. Gobel, T. *Vlaams Diergeneeskundig Tijdschrift*, 1999, v. 68 (5), p. 249-251. ref. ISSN: 0303-9021.

Language: Dutch

Descriptors: animal health, non communicable diseases, ferrets.

Ranitidine bismuth citrate and clarithromycin, alone or in combination, for eradication of Helicobacter mustelae infection in ferrets. 1999. Marini, R.P.; Fox, J.G.; Taylor, N.S.; Yan, L.; McColm, A.A.; Williamson, R. *American Journal of Veterinary Research*, Oct. 1999, v. 60 (10), p. 1280-1286. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: helicobacter, gastritis, clarithromycin, dosage, drug combinations.

Cystic prostatic disease associated with adrenocortical lesions in the ferret (*Mustela putorius furo*). 1998. Coleman, G.D.; Chavez, M.A.; Williams, B.H. *Veterinary Pathology*, Nov. 1998, v. 35 (6), p. 547-549. ref. ISSN: 0300-9858.

Descriptors: ferrets, prostate, cysts, male genital diseases, endocrine diseases.

Ferret adrenal-associated endocrinopathy. 1998. Wheler, C.L.; Kamieniecki, C.L. *Canadian Veterinary Journal*, Mar. 1998, v. 39 (3), p. 175-176. ISSN: 0008-5286. ref.

NAL call no: 41.8 R3224

Descriptors: ferrets, adrenal glands, carcinoma, ferrets.

Ferret diarrheal diseases. 1998. Bennett, R.A.; Lightfoot, T. *Proceedings of the North American Veterinary Conference*, Jan. 10-14, 1998, v. 12, p. 827-828. ref.

NAL call no: SF605.N672

Descriptors: ferrets, diarrhea, treatment.

Gastrointestinal diseases of ferrets. 1998. Quesenberry, K.; Bryden, D. *Internal Medicine: Small Companion Animals*. The T.G. Hungerford Course for Veterinarians. Proceedings 306, Stephen Roberts Lecture Theatre, University of Sydney, Australia. Jun. 15-19, 1998. p. 83-88. ref. ISBN: 187558269X.

Descriptors: foreign bodies, digestive system diseases, gastrointestinal diseases.

Hyperadrenocorticism in the domestic ferret. 1998. Jacobson, G.U.; Graham, J.C. *Iowa State University Veterinarian*, Spring 1998, v. 60 (1), p. 40-44. ref. ISSN: 0099-5851.

NAL call no: 41.8 V6425

Descriptors: ferrets, adrenal gland diseases, mitotane, adrenalectomy.

The lethargic, bald ferret syndrome: Common endocrine diseases. 1998. Quesenberry, K.; Bryden, D. *Internal Medicine: Small Companion Animals*. The T.G. Hungerford course for Veterinarians. Proceedings 306, Stephen Roberts Lecture Theatre, University of Sydney, Australia. Jun. 15-19, 1998, p. 91-97, ref. ISBN: 187558269X.

Descriptors: endocrine diseases, adrenal gland diseases, clinical aspects, diagnosis.

Pyothorax in a ferret. 1998. Fisher, P.G. *Exotic Pet Practice*, 1998, v. 3 (12), p. 92-93.

Descriptors: case reports, surgery, treatment, thorax.

Ultrasonography of the adrenal glands in the dog, cat, and ferret. 1998. Barthez, P.Y.; Nyland, T.G.; Feldman, E.C. *Veterinary Clinics of North America: Small animal Practice*, 1998, v. 28 (4), p. 869-885. ref. ISSN: 0195-5616.

NAL call no: SF601.V523

Descriptors: adrenal glands, ultrasonography, neoplasms, ultrasonic diagnosis.

Update on ferret adrenal gland disease. 1998. Hoefer, H.L. *Proceedings of the North American Veterinary Conference*, Jan. 10-14, 1998, v. 12, p. 835-836. ref.

NAL call no: SF605.N672

Descriptors: ferrets, adrenal gland diseases, symptoms, diagnosis, treatment.

Adrenal gland disease in ferrets. 1997. Rosenthal, K.L. *Veterinary Clinics of North America: Small Animal Practice*, 1997, v. 27 (2), p. 401-418. ref. ISSN: 0195-5616.

NAL call no: SF601.V523

Descriptors: diagnosis, symptoms, treatment, drug therapy, alopecia, pathology.

Adrenal ultrasonography correlated with histopathology in ferrets. 1997. Neuwirth, L.; Collins, B.; Calderwood, Mays M.; Tran, T. *Veterinary Radiology and Ultrasound*, 1997, v. 38 (1), p. 69-74. ref. ISSN: 1058-8183.

NAL call no: SF757.8.A4

Descriptors: hyperplasia, histopathology, normal values, size, anatomy, adrenal glands.

Clinical aspects and surgical treatment of hyperadrenocorticism in the domestic ferret: 94 cases (1994-1996). 1997. Weiss, C.A.; Scott, M.V. *Journal of the American Animal Hospital Association*, 1997, v. 33 (6), p. 487-493. ref. ISSN: 0587-2781.

NAL call no: SF601.A5

Descriptors: clinical aspects, neoplasms, treatment, diagnosis, histopathology, surgery.

Dermatology of rabbits, rodents, and ferrets. 1997. Burgmann, P. *Practical Exotic Animal Medicine*, Veterinary Learning Systems, 1997, p. 174-194. ref. ISBN: 1884254330.
NAL call no: SF981.P72 1997
Descriptors: skin diseases, rabbits, rodents, ferrets.

Dysuria in the ferret (*Mustela putorius furo*). 1997. Morrisey, J.K. *Exotic Pet Practice*, 1997, v. 2 (8), p. 63.
Descriptors: case reports, adrenal gland diseases, obstruction, urination disorders.

Endocrine disorders of ferrets: Insulinoma and adrenal gland disease. 1997. Rosenthal, K.; Sokolowski, J.H.; Gumbs, M.W. *The 21st Annual Waltham-OSU Symposium for the Treatment of Small Animal Diseases: Exotics*, Sept. 27-28, 1997, p. 35-38. ref.
Descriptors: endocrine diseases, alopecia, pancreatic diseases, hypoglycemia.

Diagnosing and treating endocrine diseases in ferrets. 1996. Kolmstetter, C.M.; Carpenter, J.W.; Morrisey, J.K. *Veterinary Medicine*, Dec. 1996, v. 91 (12), p. 1104-1110. ref. ISSN: 8750-7943.
NAL call no: 41.8 M69
Descriptors: endocrine diseases, cushing's syndrom, neoplasms, diabetes mellitus.

Evaluation of plasma androgen and estrogen concentrations in ferrets with hyperadrenocorticism. 1996. Rosenthal, E.L.; Peterson, M.E. *Journal of the American Veterinary Medical Association*, 1996, v. 209 (6), p. 1097-1102. ISSN: 0003-1488.
NAL call no: 41.8 AM3
Descriptors: plasma, diagnosis, adrenal glands, surgery, steroids, androgen, oestrogen.

Gastrointestinal disease in ferrets. 1996. LaBonde, J. *Exotic Pet Practice*, 1996, v. 1 (9), p. 1-2. ref.
Descriptors: digestive system diseases, infectious diseases, foreign bodies, diagnosis.

Gastrointestinal disorders of ferrets. 1996. Quesenberry, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 13-17, 1996, v.10, p. 870-871. ref.
NAL call no: SF605.N672
Descriptors: gastrointestinal diseases.

Infectious and parasitic diseases of captive carnivores, sith special emphasis on the black-foot ferret (*Mustela nigripes*). 1996. Williams, E.S.; Thorne, E.T. *Revue Scientifique et Technique de l'OIE* (France), Mar. 1996, v. 15 (1), p. 91-114. ISSN: 0253-1933.
Descriptors: diseases, parasites, carnivores, ferrets.

Neurological diseases of ferrets and rabbits. 1996. Quesenberry, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 13-17, 1996, v. 10, p. 873-874. ref.
NAL call no: SF605.N672
Descriptors: nervous system diseases.

Overview of common ferret endocrine diseases. 1996. Carpenter, J.W.; Kolmstetter, C.M. *Exotic Pet Practice*, 1996, v. 1 (7), p. 1-2. ref.
Descriptors: neoplasms, diagnosis, treatment, endocrine diseases, aetiology.

Serous biliary cystadenoma in ferrets (*Mustela putorius furo*). 1996. Fox, J.G.; Li, X.; Murphy, J.C. *Contemporary Topics in Laboratory Animal Science*, Nov. 1996, v. 35 (6), p. 78-79. ref. ISSN: 1060-0558.
NAL call no: SF405.5.A23
Descriptors: neoplasms, bile ducts, histopathology, ferrets.

Superficial spreading pyoderma and ulcerative dermatitis in a ferret. 1996. King, W.W.; Lemarie, S.L.; Veazey, R.S.; Hodgin, E.C. *Veterinary Dermatology*, Mar. 1996, v. 7 (1), p. 43-47. ref. ISSN: 0959-4493.
NAL call no: SF901.V47
Descriptors: pyoderma, staphylococcus, exotoxins, dermatitis, histopathology.

Cardiac diseases in ferrets. 1995. Hoefer, H.L. *Proceeding of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 14-18, 1995, v. 9, p. 577-578.
NAL call no: SF605.N672
Descriptors: heart disease.

Ferret respiratory disease diagnosis. 1995. Rosenthal, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 14-18, 1995, v. 9, p. 582-583.
NAL call no: SF605.N672
Descriptors: respiratory diseases.

Gastrointestinal diseases of ferrets. 1995. Hoefer, H.L. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 14-18, 1995, v. 9, p. 579-580. Ref.
NAL call no: SF605.N672
Descriptors: ferrets, gastrointestinal diseases.

Infectious diseases of ferrets. 1995. Williams, B.H. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 14-18, 1995, v. 9, p. 584-585. ref.
NAL call no: SF605.N672
Descriptors: symptoms, diagnosis, treatment.

Non-infectious diseases of ferrets. 1995. Williams, B.H. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, Jan. 14-18, 1995, v. 9, p. 585-588. ref.
NAL call no: SF605.N672
Descriptors: pH, noninfectious diseases, ferrets.

Ophthalmic disorders of rabbits and ferrets. 1995. Murphy, C.J. *North American Veterinary Conference*, 1995, v. 9, p. 682-683. Jan. 14-18, 1995. Orlando, FL.
NAL cal no: SF605.N672
Descriptors: eye diseases, rabbits, ferrets.

Transmission of a chronic lymphoproliferative syndrome in ferrets. 1995. Erdman, S.E.; Reimann, K.A.; Moore, F.M.; Kanki, P.J.; Yu, Q.C.; Fox, J.G. *Laboratory Investigation*, May 1995, v. 72 (5), p. 539-546. ISSN: 0023-6837.
Descriptors: virology, lymphoma, pathology, ferret.

Yeast infection in ferrets. 1995. Dinsdale, J.R.; Rest, J.R. *Veterinary Record*, 1995, v. 137 (25), p. 647-648. ref. ISSN: 0042-4900.

NAL call no: 41.8 V641

Descriptors: skin diseases, otitis, mixed infections, ear diseases, mycosis, diagnosis.

Adrenal disease in the ferret. 1994. Rosenthal, K. *Proceedings of the North American Veterinary Conference*, Jan. 15-20, 1994, p. 823-824.

NAL call no: SF605.N672

Descriptors: ferrets, adrenal gland diseases.

Aleutian disease in laboratory ferrets. 1994. Rudling, W.; Gent, N. *Animal Technology*, 1994, v. 45 (3), p. 149-159. ref. ISSN: 0264-4754.

NAL call no: QL55.I5

Descriptors: Aleutian disease, laboratory animals, diagnosis, outbreaks.

Copper toxicosis in sibling ferrets. 1994. Fox, J.G.; Zeman, D.H.; Mortimer, J.D. *Journal of the American Veterinary Medical Association*, 1994, v. 205 (8), p. 1154-1156. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: poisoning, copper, metabolic disorders, mammals.

Evaluation of serum estradiol concentrations in alopecic ferrets with adrenal gland tumors. 1994.

Wagner, R.A.; Dorn, D.P. *Journal of the American Veterinary Medical Association*, Sept. 1, 1994, v. 205 (5), p. 703-707. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: alopecia, estradiol, blood serum, adrenal glands, neoplasms.

Figurate erythema resembling erythema annulare centrifugum in a ferret with adrenocortical adenocarcinoma-associated alopecia. 1994. Scott, D.W.; Gould, W.J.; Cayatte, S.M.; Lawrence, H.J.; Miller, W.H. Jr. *Veterinary Dermatology*, 1994, v. 5 (3), p. 111-115. ref. ISSN: 0959-4493.

NAL call no: SF901.V47

Descriptors: skin diseases, alopecia, carcinoma, adrenal glands, symptoms, treatment.

Gastric disease in ferrets: Effects of Helicobacter mustiae, nitrosamines and reconstructive gastric surgery. 1994. Fox, J.G. *European Journal of Gastroenterology and Hepatology*, Dec. 1994, v. 6 (Suppl. 1), p. S57-65. ISSN: 0954-691X.

Descriptors: stomach neoplasms, pathology, disease models, gastritis.

Granulomatous enteritis caused by Mycobacterium avium in a ferret. 1994. Schultheiss, P.C.; Dolginow, S.Z. *Journal of the American Veterinary Medical Association*, Apr. 15, 1994, v. 204 (8), p. 1217-1219. ref. ISSN: 0003-1488.

NAL call no: 41.9 AM3

Descriptors: mycobacterium avium, enteritis, symptom, granuloma.

Intracellular Campylobacter-like organism from ferrets and hamsters with proliferative bowel disease is a Desulfovibrio sp. 1994. Fox, J.G.; Dewhirst, F.E.; Fraser, G.J.; Paster, B.J.; Shames, B.; Murphy, J.C. *Journal of Clinical Microbiology*, May 1994, v. 32 (5), p. 1229-1237. ref.

ISSN: 0095-1137.

NAL call no: QR46.J6

Descriptors: ferrets, intestinal diseases, Desulfovibrio.

Multisystemic eosinophilic complex in a ferret (*Mustela putorius furo*). 1994. Lightfoot, T. *Journal of Small Exotic Animal Medicine*, 1994, v. 3 (1), p. 12-14. ref.

Descriptors: case reports, blood disorders.

Transmissible mink encephalopathy species barrier effect between ferret and mink: PrP gene and protein analysis. 1994. Bartz, J.C.; McKinzie, D.I.; Bessen, R.A.; Marsh, R.F.; Aiken, J.M. *Journal of General Virology*, 1994, v. 75 (11), p. 2947-2953. ref. ISSN: 0022-1317.

NAL call no: QR360.A1J6

Descriptors: proteins, experimental infections, spongiform encephalopathy.

Aleutian disease in domestic ferrets: Diagnostic findings and survey results. 1993. Welchman, D. de. B.; Oxenham, M.; Done, S.H. *The Veterinary Record: Journal of the British Veterinary Association*, May 8, 1993, v. 132 (19), p. 479-484. ref. ISSN: 0042-4900.

NAL call no: 41.8 V641

Descriptors: aleutian disease, diagnosis, symptoms, histopathology.

Gastroenteritis associated with Clostridium perfringens type A in black-footed ferrets (*Mustela nigripes*). 1993. Schulman, F.Y.; Montali, R.K.; Hauer, P.J. *Veterinary Pathology*, May 1993, v. 30 (3), p. 308-310. ref. ISSN: 0300-9858.

NAL call no: 41.8 P27

Descriptors: clostridium perfringens, gastroenteritis, histopathology, diet.

Hyperadrenocorticism associated with adrenocortical tumor or nodular hyperplasia of the adrenal gland in ferrets: 50 cases (1987-1991). 1993. Rosenthal, K.L.; Peterson, M.E.; Quesenberry, K.E.; Hillyer, E.; Beeber, N.L.; Moroff, S.D.; Lothrop, C.D. *Journal of the American Veterinary Medical Association*, Jul. 15, 1993, v. 203 (2), p. 271-275. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: adrenal glands, cushing's syndrome, neoplasms, symptoms, diagnosis.

Lymphoplasmacytic keratitis in a ferret with lymphoma. 1993. Ringle, M.J.; Lindley, D.M.; Krohne, S.G. *Journal of the American Veterinary Medical Association*, Sept. 1, 1993, v. 203 (5), p. 670-672. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: lymphoma, keratitis, symptoms, diagnosis, drug therapy.

Megaesophagus in a domestic ferret. 1993. Harms, C.A.; Andrews, G.A. *Laboratory Animal Science*, Oct. 1993, v. 43 (5), p. 506-508. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, esophageal diseases.

Unilateral adrenalectomy as a treatment for adrenocortical tumors in ferrets: Five cases (1990-1992). 1993. Lawrence, H.J.; Gould, W.J.; Flanders, J.A.; Rowland, P.H.; Yeager, A.E. *Journal of the American Veterinary Medical Association*, Jul. 15, 1993, v. 203 (2), p. 267-270. ref. ISSN:

0003-1488.

NAL call no: 41.8 AM3

Descriptors: adrenal cortex, adenoma, carcinoma.

Diseases of ferrets. 1992. Taylor, M. *Veterinary Technician*, 1992, v. 13 (1), p. 56, 58, 60. ref. ISSN: 8750-8990.

Descriptors: viral diseases, bacterial diseases, endocrine diseases, neoplasms.

Gastrointestinal diseases of ferrets (*Mustela putorius furo*). 1992. Hillyer, E.V. *Journal of Small Exotic Animal Medicine*, 1992, v. 2 (1), p. 44-45. ill.

Descriptors: digestive system, parasites diseases, disorders, ferret,

Bilaterally symmetric alopecia associated with an adrenocortical adenoma in a pet ferret. 1991.

Scott, D.W.; Harvey, H.J.; Yeager, A.E. *Veterinary Dermatology*, 1991, v. 2 (3-4), p. 166-170. ref. ISSN: 0959-4493.

NAL call no: SF901.V47

Descriptors: alopecia, adenoma, skin diseases, adrenal glands, surgical operations.

Effect of sodium pyridinethione on the tissue-disposition of nickle in rats, guinea pigs and ferrets.

1991. Borg, Neczak, K.; Tjalve, H. *Acta Veterinaria Scandinavica*, 1991, Supplementum 87, p. 353-355. Proceedings of the 5th Congress of the European Association for Veterinary Pharmacology and Toxicology, Copenhagen, Denmark, Aug. 18-22, 1991. ref. ISSN: 0044-605X.

Descriptors: antifungal agents, metals, tissues, nickle, experiments, ferrets.

Experimental infection of domestic ferrets (*Mustela putorius furo*) and Siberian polecats (*Mustela eversmanni*) with *Yersinia pestis*. 1991. Williams, E.S.; Thorne, E.T.; Quan, T.J.; Anderson, S.L. *Journal of Wildlife Diseases*, 1991, v. 27 (3), p. 441-445. ref. ISSN: 0090-3558.

NAL call no: 41.9 W64B

Descriptors: experimental infection, epidemiology, bacterial diseases, ferrets, polecats.

Heliobacter mustelae-induced gastritis and elevated gastric pH in the ferret (*Mustela putorius furo*). 1991. Fox, J.G.; Otto, G.; Taylor, N. S.; Rosenblad, W.; Murphy, J.C. *Infection and Immunity*, Jun. 1991, v. 59 (6), p. 1875-1880. ref. ISSN: 0019-9567.

NAL call no: QR1.I57

Descriptors: campylobacter, gastritis, stomach, pH, disease models.

Skin diseases of ferrets. 1990. Cooper, J.E. *Veterinary Annual*, 1990, no. 30, p. 325-334. ref. ISSN: 0083-5870.

NAL call no: 41.8 V6456

Descriptors: skin diseases, ferrets.

Canine parainfluenza virus-induced encephalitis in ferrets. 1989. Baumgartner, W.; Krakowka, S.; Gorham, J.R. *Journal of Comparative Pathology*, Jan. 1989, v. 100 (1), p. 67-76. ill. ref. ISSN: 0021-9975.

NAL call no: 41.8 J82

Descriptors: ferrets, canine parainfluenza virus, encephalitis, histopathology.

Proven of potential zoonotic diseases in ferrets. 1989. Marini, R.P.; Adkins, J.A.; Fox, J.G. *Journal of the American Veterinary Medical Association*, Oct. 1989, v. 195 (7), p. 990-994. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: zoonoses, ferrets, bacterial diseases, viral diseases, protozoal infections.

Proliferative colitis in ferrets: Epithelial dysplasia and translocation. 1989. Fox, J.G.; Murphy, J.C.; Otto, G.; Pecquet-Goad, M.E.; Lawson, G.H.K.; Scott, J. A. *Veterinary Pathology*, Nov. 1998, v. 26 (6), p. 515-517. ill. ref. ISSN: 0300-9858.

NAL call no: 41.8 P27

Descriptors: ferrets, colitis, campylobacter, histopathology, metastasis, dysplasia.

Zygomatic salivary gland mucocele in ferret. 1989. Miller, P.E.; Pickett, J.P. *Journal of the American Veterinary Medical Association*, May 15, 1989, v. 194 (10), p. 1437-1438. ill. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: ferrets, salivary glands, cysts, trauma, surgical operations.

Bacterial and mycoplasmal diseases. 1988. Fox, J.G. *Biology and Diseases of the Ferret*, ed. by James G. Fox. Philadelphia: Lea & Febiger, 1988, p. 197-216. ill. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, bacterial diseases, mycoplasma, epizootiology, diagnosis.

Common disease and medical management of ferrets. 1988. Burke, T.J. *Contemporary Issues in Small Animal Practice*, 1988, v. 9, p. 247-260. ref. ISSN: 0891-9747.

NAL call no: SF601.C64

Descriptors: ferrets, animal husbandry, diseases, infectious diseases, treatment.

Diseases associated with reproduction. 1988. Fox, J.G.; Pearson, R.C.; Gorham, J.R. *Biology and Diseases of the Ferret*, ed. by James G. Fox. Philadelphia: Lea & Febiger, 1988, p. 174-183. ill. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, reproductive disorders, bacterial diseases, histopathology.

Mycotic diseases. 1988. Fox, J.G. *Biology and Diseases of the Ferret*, ed. by James G. Fox. Philadelphia: Lea & Febiger, 1988, p. 248-254. ill. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, mycoses, etiology, cryptococcus, histoplasma, diagnosis.

Pruritus in rabbits, rodents and ferrets. 1988. Timm, K.I. *Veterinary Clinics of North America: Small Animal Practice*, Sept. 1988, v. 18 (5), p. 1077-1091. ref. ISSN: 0195-5616.

NAL call no: SF601.V523

Descriptors: pruritus, mites, rabbits, rodents, ferrets, laboratory animals.

Viral and chlamydial diseases. 1988. Fox, J.G.; Pearson, R.C.; Gorham, J.R. *Biology and Diseases of the Ferret*, ed. by James G. Fox. Philadelphia: Lea & Febiger, 1988, p. 217-234. ill. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, viral diseases, mycoplasma, diagnosis, treatment.

Clinical, functional and pathologic changes associated with a case of dilatative cardiomyopathy in a ferret. 1987. Lipman, N.S.; Murphy, J.C.; Fox, J.G. *Laboratory Animal Science*, Apr. 1987, v. 37 (2), p. 210-212. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9. P94

Descriptors: ferrets, cardiomyopathy, histopathology.

The ferret and its diseases. 1978. Ryland, L.M.; Gorham, J.R. *Journal of the American Veterinary Medical Association*, Nov. 1, 1978, v. 173 (9), p. 1154-1158. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: ferrets, animal diseases, animal housing, animal feeding.

Ringworm in mink and ferrets. 1972. Hagen, K.W.; Gorham, J.R. *Reprints of Articles by U.S. Department of Agriculture, Agricultural Research Service*, 1972, [345]. 2p. ill. ref.

NAL call no: aS21.A8U5/ARS

Descriptors: mink, ferrets, microsporum canis.

The transmission of distemper among ferrets and mink. 1953. Gorham, J.R.; Brandly, C.A. *Proceedings of the Annual Meeting of the American Veterinary Medical Association*, 1953 (90th) p. 129-141. ref.

NAL call no: 41.9 UN3

Descriptors: distemper virus, disease transmission, ferrets, mink.

Salmonella infections in mink and ferret. 1949. Gorham, J.R. *American Journal of Veterinary Research*, Apr. 1949, v. 10 (35), p. 183-192. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: ferrets, salmonella, disease resistance, susceptibility, salmonellosis.

EMESIS

Anti-emetic effect of (-) tramadol. 2002. Huckle, R.M.; Tuladhar, B.R.; Naylor, R.J. *British Journal of Pharmacology*, Mar. 2002, v. 135 (Proceedings Suppl.), 362 p. ISSN: 0007-1188. www.brjpharmacol.org/

Descriptors: digestive system, pharmacology, biochemistry, molecular biophysics.

Action of glucocorticoids to antagonise cisplatin-induced acute and delayed emesis in the ferret. 2001. Sam, Tasia, S.W.; Chan, Shun, W.; Rudd, John A.; Yeung, John H.K. *European Journal of Pharmacology*, Apr. 13, 2001, v. 417 (3), p. 231-237. ISSN: 0014-2999.

Descriptors: emesis, cisplatin induced, digestive system disease.

Central antiemetic effects of AS-8112, a dopamine D2, D3, and 5-HT3 receptor antagonist, in ferrets. 2001. Yoshikawa, Takashi; Yoshida, Naoyuki; Oka, Makoto. *European Journal of Pharmacology*, Nov. 23, 2001, v. 431 (3), p. 361-364. ISSN: 0014-2999.

Descriptors: emesis, digestive system disease, ferret, antemetic drug.

The effects of diphenidol on drug-induced emesis in the dog and ferret. 2001. Sawai, Hiroe; Yamakuni, Hisashi; Maeda, Yasue; Imazumi, Katsunori; Matsuo, Masahiko; Manda Toshitaka; Goto, Toshio. *Japanese Journal of Pharmacology*, 2001, v. 85 (Supplement 1): 106 p. ISSN: 0021-5198.

Descriptors: pica, behavioral and mental disorders, emetic inducing agent.

Effects of tropisetron, a 5-HT₃ receptor antagonist, on delayed emesis induced by cisplatin in ferrets. 2001. Endo, Toru; Ogawa, Takashi; Kamada, Yuko; Hamaue, Naoya; Hirafuji, Masahiko; Yokoyama, Toshide; Nosaka, Chihiro; Minami, Masaru. *Japanese Journal of Pharmacology*, 2001, v. 85 (Supplement 1): 108 p. ISSN: 0021-5198.

Descriptors: digestive system, pharmacology, ferret.

The mechanism of emesis mediated by tachykinin NK-1 receptors in ferrets. 2001. Nago, Sachiko; Saito, Ryo; Sato, Asako; Ariumu, Hideto; Hatae, Takashi; Honda, Kenji; Takano, Yukio; Kamiya, Hiro O. *Japanese Journal of Pharmacology*, 2001, V. 85 (Supplement 1): 261 p. ISSN: 0021-5198.

Descriptors: emesis, digestive system disease, nervous system, ferret.

PDE4 inhibitors induce emesis in ferrets via a noradrenergic pathway. 2001. Robichaud, A.; Savoie, C.; Stamatou, P.B.; Tattersall, F.D.; Chan, C.C. *Neuropharmacology*, Jan. 4, 2001, v. 40 (2), p. 262-269. ISSN: 0028-3908.

Descriptors: emesis, digestive system disease, ferrets.

Central nausea circuits revealed by expression of the immediate-early gene c-fos in the ferret. 2000. Billig, I.; Yates, B.J.; Rinaman, L. *FASEB Journal*, Mar. 15, 2000, v. 14 (4), p. A570. ISSN: 0892-6638.

NAL call no: QH301.F3

Descriptors: nausea, nervous system, ferret, forebrain, hindbrain.

Induction of emesis in ferrets by 2,2'-azobis (2-amidinopropane) dihydrochloride, a free radical initiator. 2000. Tong, Chunning; Tsuchiyama, Michio; Okazaki, Isamu; Ito, Akihito; Tsuji, Saori; Ishii, Kenji; Suzuki, Jun. *Japanese Journal of Pharmacology*, 2000, v. 82 (Suppl. 1): 226 p. ISSN: 0021-5198.

Descriptors: digestive system, pharmacology, ferrets, ingestion, antiemetic drug.

The role of tachykinin NK-1 receptors in the area postrema of ferrets in emesis. 2000. Ariumi, H.; Saito, R.; Nago, S.; Hyakusoku, M.; Takano, Y.; Kamiya, H.O. *Neuroscience Letters*, 2000, v. 286 (2), p. 123-126. ISSN: 0304-3940.

Descriptors: morphine, vomiting, area postrema, neurokinin NK1 receptors.

The role of tachykinin NK-1 receptor in the area postrema in nausea of rats and vomiting of ferrets. 2000. Nago, S.; Saito, R.; Kubota, H.; Ariumi, H.; Sato, A.; Takano, Y.; Kamiya, H. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2): Abstract no. 808.8. ISSN: 0190-5295.

Descriptors: emesis, digestive system disease, pica.

Conditioned antisickness: Indirect evidence from rats and direct evidence ferrets that conditioning alleviates drug-induced nausea and emesis. 1998. Davey, V.A.; Biederman, G.B. *Journal of Experimental Psychology: Animal Behavior Processes*, 1998, v. 24 (4), p. 483-491. ISSN: 0097-7403.

Descriptors: nausea, lithium, vomiting, conditioning, pentobarbital, sickness behavior.

The actions of ondansetron and dexamethasone to antagonise cisplatin-induced emesis in the ferret.

1997. Budd, J.A.; Naylor, R.J. *European Journal of Pharmacology*, Mar. 12, 1997, v. 322 (1), p. 79-82. ISSN: 0014-2999.

Descriptors: behavior, drug effects, vomiting, antiemetics.

Biphasic emetic response of cyclophosphamide in the ferret. 1997. Wong, R.H.; Lao, L.; Berman, B.M.; Carter, A.K.; Wynn, R.L. *Pharmacology, Biochemistry and Behavior*, 1997, v. 58 (1), p. 179-182. ISSN: 0091-3057.

Descriptors: nausea, vomiting, antiemetics, droperidol, cyclophosphamide.

Tachykinin NK sub(1) receptor antagonists act centrally to inhibit emesis induced by the chemotherapeutic agent cisplatin in ferrets. 1996. Tattersall, F.D.; Rycroft, W.; Francis, B.; Pearce, D.; Merchant, K.; MacLeod, A. *Neuropharmacology*, 1996, v. 35 (8), p. 1121-1129. ISSN: 0028-3908.

Descriptors: neurokinin NK1 receptors, emesis, cisplatin, ferrets.

Electroacupuncture reduces morphine-induced emesis in ferrets: A pilot study. 1995. Lao, L.; Wong, R.H.; Berman, B.; Wynn, R.L. *Journal of Alternative and Complementary Medicine*, Fall, 1995, v. 1 (3), p. 257-261. ISSN: 1075-5535.

Descriptors: disease models, ferret, vomiting, therapy, chemically induced.

Behavioral studies of emetic sensitivity in the ferret. 1993. Knox, A.P.; Strominger, N.L.; Battles, A.H.; Carpenter, D.O. *Brain Research Bulletin*, 1993, v. 31 (5), p. 477-484. ISSN: 0361-9230.

Descriptors: emetics, apomorphine, behavior, drug effects.

Morphine 6-glucuronide: A metabolite of morphine with greater emetic potency than morphine in the ferret. 1992. Thompson, P.I.; Bingham, S.; Andrews, P.L.R.; Patel, N.; Joel, S.F.; Slevin, M.L. *British Journal of Pharmacology*, 1992, v. 106 (1), p. 3-8.

Descriptors: emetics, morphine 6-glucuronide, metabolites, pharmacokinetics,

Relationship between vomiting and taste aversion learning in the ferret: Studies with ionizing radiation, lithium chloride, and amphetamine. 1992. Rabin, B.M.; Hunt, W.A. *Behavioral Neurology and Biology*, 1992, v. 58 (2), p. 83-93.

Descriptors: taste aversion, learning, vomiting, amphetamine, ferret.

ENRICHMENT

Assessing spatial activity in captive feral ferrets, Mustela furo L. (Carnivora: Mustelidae). 2000.

Medina, Vogel G.; Hickling, G.J.; Clapperton, B.K. *New Zealand Journal of Zoology*, Jun. 2000, v. 27 (2), p. 75-83. ill. ISSN: 0301-4223.

Descriptors: behavioral techniques, social behavior, spatial and social activity.

Common enrichment devices and programs. 1995. AWIC Resource Series no. 2. *Environmental Enrichment Information Resources for Laboratory Animals, 1965-1995, Birds, Cats, Dogs, Farm Animals, Ferrets, Rabbits, and Rodents*, p. 243-246. USDA, NAL, AWIC. ISBN: 090076791X.

NAL call no: aHV4701.A94-no.2

Descriptors: toys, enrichment, animal welfare, products.

The effects of environmental enrichment in ferrets. 1995. Einon, D. *Environmental Enrichment Information Resources for Laboratory Animals: 1965-1995: Birds, Cats, Dogs, Farm Animals, Ferrets, Rabbits, and Rodents.* p. 113-116. ISBN: 090076791X.

NAL call no: aHV4701.A94 no. 2

Descriptors: ferrets, enrichment, animal welfare, laboratory animals.

Environmental enrichment information resources for laboratory animals, 1965-1995: birds, cats, dogs, farm animals, ferrets, rabbits and rodents. 1995. UFAW Staff. 294 p. ISBN: 090076791X.

NAL call no: aHV4701.A94-no.2.

Suppliers and products. 1995. AWIC Resource Series no. 2. *Environmental Enrichment Information Resources for Laboratory Animals, 1965-1995, Birds, Cats, Dogs, Farm Animals, Ferrets, Rabbits, and Rodents,* p. 237-242. USDA, NAL, AWIC. ISBN: 090076791X.

NAL call no: aHV4701.A94-no. 2

Descriptors: toys, enrichment, animal welfare, products.

Environmental enrichment in a female ferret colony. 1993. Amos, J. *Welfare and Science Proceedings of the Fifth Symposium of the Federation of European Laboratory Animal Science Associations,* Jun. 8-11, 1993, p. 467-468. ISBN: 19531152404.

NAL call no: QL55.F43-1993

Descriptors: ferrets, housing, sticking density, identification.

FEEDING / NUTRITION / METABOLISM

Acetominophen UDP-glucuronosyltransferase in ferrets: Species and gender differences, and sequence analysis of ferret UGT1A6. 2001. Court, M.H. *Journal of Veterinary Pharmacology and Therapeutics,* Dec. 2001, v. 24 (6), p. 415-422. ISSN: 0140-7783.

NAL call no: SF915.J63

Descriptors: metabolism, molecular genetics, digestive system, liver.

Ferret nutrition in small animal practice. 2001. Hebel, D.; Wolf, P. *Kleintierpraxis,* 2001, v. 46 (4), p. 225-229. ref. ISSN: 0023-2076.

Language: German

Descriptors: animal feeding, energy requirements, nutrient requirements, ferrets.

Ferret nutrition. 1999. Bell, J.A. *Veterinary Clinics of North America Exotic Animal Practice,* Jan. 1999, v. 2 (1), p. 169-192. viii. ISSN: 1094-9194.

Descriptors: gastrointestinal transit, meat, nutritional requirements, diet.

All-trans beta carotene is absorbed preferentially to 9-cis beta carotene, but the latter accumulates in the tissues of domestic ferrets (*Mustela putorius furo*). 1998. Erdman, J.W. Jr.; Thatcher, A.J.; Hofmann, N.E.; Lederman, J.D.; Block, S.S.; Lee, C.M.; Mokady, S. *Journal of Nutrition,*

1998, v. 128 (11), p. 2009-2013. ref. ISSN: 0022-3166.

Descriptors: tissues, isomers, diets, absorption, kidneys, liver, ferrets.

Ferrets (*Mustela putorius furo*) inefficiently convert beta-carotene to vitamin A. 1998. Lederman, J.D.; Overton, K.M.; Hofmann, N.E.; Moore, B.J.; Thornton, J.; Erdman, J.W. Jr. *Journal of Nutrition*, 1998, v. 128 (2), p. 271-279. ref. ISSN: 0022-3166.

Descriptors: retinol, absorption, carotenoids, diets, esters, metabolism.

Food allergy in a ferret. 1998. Dutton, M.A. *Exotic Pet Practice*, 1998, v. 3 (5), p. 39. ref.

Descriptors: allergies, case reports, food allergies, pruritus, oedema, diets.

The crystalline form of carotenes and the food matrix in carrot root decrease the relative bioavailability of beta- and alpha-carotene in the ferret model. 1996. Zhou, J.R.; Gugger, E.T.; Erdman, J.W. Jr. *Journal of the American College of Nutrition*, 1996, v. 15 (1), p. 84-91. ref. ISSN: 0731-5724.

Descriptors: beta-carotene, alpha-carotene, carrots, availability, ferrets.

The effects of dietary taurocholate, fat, protein, and carbohydrates on the distribution and fate of dietary beta-carotene in ferrets. 1996. Lakshman, M.R.; Liu, Q.H.; Sapp, R.; Somanchi, M.; Sundaresan, P.R. *Nutrition and Cancer*, 1996, v. 26 (1), p. 49-61. ref. ISSN: 0163-5581.

NAL call no: RC262.C5N8

Descriptors: beta carotene, diets, absorption, neoplasms, liver, lungs.

Ensuring proper nutrition in ferrets. 1996. Bell, J.A. *Veterinary Medicine*, Dec. 1996, v. 91 (12), p. 1098-1103. ref. ISSN: 8750-7943.

NAL call no: 41.8 M69

Descriptors: ferrets, nutrition, nutrient requirements, digestion, urolithiasis.

In vivo biosynthesis of retinoic acid from beta-carotene involves an excentric cleavage pathway in ferret intestine. 1996. Hebuterne, X.; Wang, XiangDong; Smith, D.E.H.; Tang, GuangWen; Russell, R.M.; Wang, X.D.; Tang, G.W. *Journal of Lipid Research*, 1996, v. 37 (3), p. 482-492. ref. ISSN: 0022-2275.

NAL call no: 381 J8282

Descriptors: retinol, vitamins, metabolism, beta-carotene, small intestine.

Supplementing ferrets with canthaxanthin affects the tissue distribution of canthaxanthin, other carotenoids, vitamin A and vitamin E. 1995. Tang, G.; Blanco, M.C.; Fox, J.G.; Russell, R.M. *Journal of Nutrition*, 1995, v. 125 (7), p. 1945-1951. ref. ISSN: 0022-3166.

Descriptors: canthaxanthin, retinol vitamin E, tissues, supplements.

Vitamin E enhances the lymphatic transport of beta-carotene and its conversion to vitamin A in the ferret. 1995. Wang, X.D.; Marini, R.P.; Hebuterne, X.; Fox, J.G.; Keinsky, N.I.; Russell, R.M. *Gastroenterology*, Mar. 1995, v. 108 (3), p. 719-726. ref. ISSN: 0016-5085.

Descriptors: retinol, vitamins, transport, beta-carotene, conversion, lymph.

Effect of high fat diet on liver microsomal oxygenation in ferret. 1994. Shavila, J.; Ioannides, C.; King, L.J.; Parke, D.V. *Xenobiotica*, Nov. 1994, v. 24 (11), p. 1063-1076. ISSN: 0094-8254.

Descriptors: metabolism, analysis, blood, chemistry, enzymology, liver.

High concentrations of vitamin A esters circulate primarily as retinyl stearate and are stored primarily as retinyl palmitate in ferret tissues. 1994. Ribaya, Mercado J.D.; Blanco, M.C.; Fox, J.G.; Russell, R.M. *Journal of the American College of Nutrition*, 1994, v. 13 (1), p. 83-86. ref. ISSN: 0731-57124.

Descriptors: vitamins, retinol, retinyl, esters, tissues.

Distribution of beta-carotene and vitamin A in lipoprotein fractions of ferret serum. Effect of beta-carotene supplementation. 1993. Ribaya, Mercado, J.D.; Lopez, Miranda J.; Ordova, J.M.; Blanco, M.C.; Fox, J.G.; Russell, R.M. *Annals of the New York Academy of Science*, 1993, v. 691, p. 232-237. ref. ISSN: 0077-8923.

NAL call no: 500 N484

Descriptors: retinol, distribution, lipoproteins, blood, beta-carotene, supplements.

Evaluation of the bioavailability of natural and synthetic forms of beta-carotenes in a ferret model. 1993. White, W.S.; Peck, K.M.; Ulman, E.A.; Erdman, J.W. Jr. *Annals of the New York Academy of Science*, 1993, v. 691, p. 229-231. ref. ISSN: 0077-8923.

NAL call no: 500 N484

Descriptors: carotenes, beta-carotene, availability, beverages, ferrets.

Interactions of oral beta-carotene and canthaxanthin in ferrets. 1993. White, W.S.; Peck, K.M.; Bierer, T.L.; Gugger, E.T.; Erdman, J.W. Jr. *Journal of Nutrition*, 1993, v. 123 (8), p. 1405-1413. ref. ISSN: 0022-3166.

Descriptors: beta-carotene, canthaxanthin, carnivores, ferrets.

Retinoic acid regulates retinol metabolism via feedback inhibition of retinol oxidation and stimulation of retinol esterification in ferret liver. 1993. Wang, X.D.; Krinsky, N.I.; Russell, R.M. *Journal of Nutrition*, Jul. 1993, v. 123 (7), p. 1277-1285. ref. ISSN: 0022-3166.

NAL call no: 389.8 J82

Descriptors: retinoic acid, retinol, metabolism, feedback, liver cells, ferret.

Beta-carotene, retinol and retinyl ester concentrations in serum and selected tissues of ferrets fed beta-carotene. 1992. Ribaya, Mercado L.D.; Fox, J.G.; Rosenblad, W.D.; Blanco, M.C.; Russell, R.M. *Journal of Nutrition*, 1992, v. 122 (9), p. 1898-1903. ref. ISSN: 0022-3166.

Descriptors: beta-carotene, blood, tissues, retinol.

Beta-carotene uptake and tissue distribution in ferrets (*Mustela putorius furo*). 1992. Gugger, E.T.; Bierer, T.L.; Henze, T.M.; White, W.S.; Erdman, J.W. Jr. *Journal of Nutrition*, 1992, v. 122 (1), p. 115-119. ref. ISSN: 0022-3166.

Descriptors: animal models, beta-carotene, absorption.

The effects on some physiological and performance indices of adding formic acid-preserved feed to the meat ration of ferrets. 1992. Glowinska, B.; Bieguszewski, H. *Progress in Fur Animal Science*, 1992, Suppl. 9, p. 289-292. ref. ISSN: 0801-5341.

Descriptors: furbearing animals, acid-base equilibrium, meat byproducts, formic acid.

Studies on the protein and energy level in diet for ferrets (*Mustela putorius furo*). 1992. Barabasz, B. *Akademia Rolnicza w Rakowie*, 1992, 75 p.

Language: Polish.

Descriptors: rations, energy value, protein content, nutritional requirements.

Effect of arginine free diet on plasma and tissue amino acids in young and adult ferrets. 1991.

Deshmukh, D.R.; Sarnaik, A.P.; Mukhopadhyay, A.; Portoles, M. *Journal of Nutritional Biochemistry*, 1991, v. 2 (2), p. 72-78. ref. ISSN: 0955-2863.

Descriptors: amino acids, blood, tissues, arginine deprivation, age.

Effects of dietary calcium concentration and calcium-phosphorous ratio on growth and selected plasma and bone measures in young European ferrets (*Mustela putorius furo*). 1990.

Edfors, C.H.; Ullrey, D.E.; Aulerich, R.J. *Journal of Zoo and Wildlife Medicine*, 1990, v. 21 (2), p. 185-191. ref. ISSN: 1042-7260.

Descriptors: phosphorous, plasma, bones, calcium, nutritional disorders.

Effects of arginine-free diet on urea cycle enzymes in young and adult ferrets. 1989. Deshmukh,

D.R.; Rusk, C.D. *Enzyme*, 1989, v. 41 (3), p. 168-174. ref. ISSN: 0013-0432.

NAL call no: QP601.E52

Descriptors: diet, arginine, urea, enzyme activity, ferret.

Nitrite cured meats as a source of endogenously and exogenously formed -nitrosoproline in the ferret. 1989. Perciballi, M.; Conboy, J.J.; Hotchkiss, J.H. *Food and Chemical Toxicology*, Feb.

1989, v. 27 (2), p. 111-116. ref. ISSN: 0278-6915.

NAL call no: 391.8 F73

Descriptors: cured meats, nitrites, proline, carcinogens, urine, ferrets.

Nutrition. 1988. McLain, D.E.; Thomas, J.A.; Fox, J.G. *Biology and Diseases of the Ferret*, 1988, Lea & Febiger. Philadelphia. p. 135-152. ref. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, animal nutrition, diets, feed composition.

Effect of arginine free diet on ammonia metabolism in young and adult ferrets. 1986. Thomas, P.E.; Deshmukh, D.R. *Journal of Nutrition*, Apr. 1986, v. 116 (4), p. 545-551. ref. ISSN: 0022-3166.

NAL call no: 389.8 J82

Descriptors: nutrient deficiencies, arginine, ammonia, metabolism, ferrets.

NEOPLASIA / TUMORS

Perianal apocrine gland adenocarcinoma in a ferret. 2001. Graham, J.E.; Roberts, R.E.; Wilson, G.H.; Boyd, K.L. *Compendium on Continuing Education for the Practicing Veterinarian*, Apr.

2001, v. 23 (4), p. 359-362. ref. ISSN: 0193-1903.

NAL call no: SF601.C66

Descriptors: anal glands, adenocarcinoma, radiotherapy, metastasis, adrenal glands.

C-cell carcinoma (medullary thyroid carcinoma) associated with multiple endocrine neoplasms in a ferret (*Mustela putorius*). 2000. Fox, J.G.; Dangler, C.A.; Synder, S.B.; Richard, M.J.;

Thilsted, J.P. *Veterinary Pathology*, May 2000, v. 37 (3), p. 278-282. ref. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: neoplasms, endocrine cells, carcinoma, thyroid gland, symptoms, treatment.

Ferret Insulinoma. 2000. Hoefer, H.L. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 2000, v. 14, p. 1007-1008. ref.
NAL call no: SF605.N672
Descriptors: ferrets, neoplasms, pancreas.

Neoplasia in ferrets. 2000. Antinoff, N.; Bonagura, J.D. *Kirk's Current Veterinary Therapy XIII: Small Animal Practice*, 2000, p. 1149-1152. ref. ISBN: 0721655238.
Descriptors: neoplasms, endocrine diseases, adrenal gland diseases, skin diseases.

Thoracic vertebral chordoma in a domestic ferret (*Mustela putorius furo*). 2000. Pye, G.W.; Bennett, R.A.; Roberts, G.D.; Terrell, S.P. *Journal of Zoo and Wildlife Medicine*, 2000, v. 31 (1), p. 107-111, ref. ISSN: 1042-7260.
Descriptors: neoplasms, spinal diseases, case reports, immunohistochemistry.

Hypereosinophilic syndrome with Hodgkin's-like lymphoma in a ferret. 1999. Blomme, E.A.G.; Foy, S.H.; Chappell, K.H.; La Perle, K.M.D. *Journal of Comparative Pathology*, Feb. 1999, v. 120 (2), p. 211-217. ref. ISSN: 0021-9975.
NAL call no: 41.8 J82
Descriptors: lymphoma, eosinophils, eosinophilia, ferrets, case report.

Unusual presentation of hemangiosarcoma in a ferret. 1999. Vannevel, J. *Canadian Veterinary Journal*, Nov. 1999, v. 40 (11), p. 808. ref. ISSN: 0008-5286.
NAL call no: 41.8 R3224
Descriptors: sarcoma, perineum, atypical course, metastasis, radiography.

Ferret neoplasia. 1998. Hoefer, H.L. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1998, v. 12, p. 836-837. ref.
NAL call no: SF605.N672
Descriptors: ferrets, neoplasms.

Immunophenotypic characterization of lymphomas from the mediastinum of young ferrets. 1998. Coleman, L.A.; Erdman, S.E.; Schrenzel, M.D.; Fox, J.G. *American Journal of Veterinary Research*, Oct. 1998, v. 59 (10), p. 1281-1286. ref. ISSN: 0002-9645.
NAL call no: 41.8 Am3A
Descriptors: mediastinum, lymphoma, immunopathology, antibodies, ferrets.

Insulinomas in ferrets. 1998. Morrisey, J.K. *Exotic Pet Practice*, 1998, v. 3 (11), p. 81-82, 84. ref.
Descriptors: neoplasms, clinical aspects, symptoms, diagnosis, treatment.

Insulinoma in the ferret: Clinical findings and treatment comparison of 66 cases. 1998. Weiss, C.A.; Williams, B.H.; Scott, M.V. *Journal of the American Animal Hospital Association*, Nov./Dec. 1998, v. 34 (6), p. 471-475. ref. ISSN: 0587-2871.
NAL call no: SF601.A5
Descriptors: insulin secretion, neoplasms, drug therapy, diagnosis, disease course.

Neoplastic diseases in ferrets: 574 cases (1986-1997). 1998. Li, X.T.; Fox, J.G.; Padrid, P.A. *Journal of the American Veterinary Medical Association*, May 1, 1998, v. 212 (9), p. 1402-1406. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: ferrets, neoplasms, incidence, sex differences, age differences.

Update on ferret insulinoma. 1998. Hoefer, H.L. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1998, v. 12, p. 834. ref.
NAL call no: SF605.N672
Descriptors: ferrets, neoplasms, pancreas.

Heliobacter mustelae-associated gastric adenocarcinoma in ferrets (Mustela putorius furo). 1997. Fox, J.G.; Dangler, C.A.; Sager, W.; Borkowski, R.; Gliatto, J.M. *Veterinary Pathology*, May 1997, v. 34 (3), p. 225-229. ref. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: gastric adenocarcinoma, ferrets, Heliobacter.

Immunohistochemistry of pancreatic islet cell tumors in the ferret (Mustela putorius furo). 1997. Andrews, G.A.; Myers, N.C. III; Chard-Bergstrom, C. *Veterinary Pathology*, Sept. 1997, v. 34 (5), p. 387-393. ref. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: ferrets, pancreas islets, neoplasms, immunohistochemistry, insulin.

Lymphoma with orbital involvement in two ferrets. 1997. McCalla, T.L.; Erdman, S.E.; Kawasaki, T.A.; Coleman, L.A.; Li, X.; Nelson, W.B.; Fox, J.G. *Veterinary Comparative Ophthalmology*, 1997, v. 7 (1), p. 36-38. ref. ISSN: 1076-4607.
NAL call no: SF891.P78
Descriptors: ferrets, lymphoma, eyes, symptoms, clinical aspects, disease course.

Lymphosarcoma in the pet ferret. 1997. Rosenthal, K. *Veterinary Cancer Society Newsletter*, 1997, v. 21 (1), p. 10-11. ref.
Descriptors: diagnosis, treatment, neoplasms, lymphosarcoma, case reports.

Clinical and pathologic findings in ferrets with lymphoma: 60 cases (1982-1994). 1996. Erdman, S.E.; Brown, S.A.; Kawasaki, T.A.; Moore, F.M.; Li, X.; Fox, J.G. *Journal of the American Veterinary Medical Association*, Apr. 15, 1996, v. 208 (8), p. 1285-1289. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: lymphoma, symptoms, pathology, ferrets, age differences.

A cluster of cases of juvenile mediastinal lymphoma on a ferret colony. 1996. Batchelder, M.A.; Erdman, S.E.; Li, X.; Fox, J.G. *Laboratory Animal Science*, Jun. 1996, v. 46 (3), p. 271-274. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ferrets, lymphoma, mediastinum, histopathology, disease transmission.

Cutaneous epitheliotropic lymphoma in a ferret. 1996. Rosenbaum, M.R.; Affolter, V.K.; Usborne, A.L.; Beeber, N.L. *Journal of the American Veterinary Medical Association*, Oct. 15, 1996, v. 209 (8), p. 1441-1444. ref. ISSN: 0003-1488.

NAL call no: 41.8 Am3

Descriptors: lymphoma, dermatitis, symptoms, diagnosis, treatment.

Diagnosis and treatment of insulin-secreting pancreatic islet cell tumors in ferrets: 57 cases (1986-1994). 1996. Caplan, E.R.; Petereon, M.E.; Mullen, H.S.; Quesenberry, K.E.; Rosenthal, K.L.; Hoefer, H.L.; Moroff, S.D. *Journal of the American Veterinary Medical Association*, 1996, v. 209 (10), p. 1741-1745. ref. ISBN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: diagnosis, treatment, surgery, symptoms, neoplasms, pancreatic diseases.

Granular cell tumor in the central nervous system of a ferret (*Mustela putorius furo*). 1996.

Sleeman, J.M.; Clyde, V.L.; Brenneman, K.A. *Veterinary Record*, Jan. 20, 1996, v. 138 (3), p. 65-66. ref. ISSN: 0042-4900.

NAL call no: 41.8 V641

Descriptors: ferrets, neoplasms, brain, symptoms, histopathology, case reports.

Heliobacter mustelae-associated gastric lymphoma in four ferrets. 1996. Erdman, S.E.; Correa, P.;

Li, X.; Coleman, L.A.; Fox, J.G. *Laboratory Animal Science*, 1996, v. 46 (4), p. 455-456. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: laboratory animals, neoplasms, disease models, lymphoma, stomach diseases.

Imaging of adrenal neoplasia and complications associated with hyperadrenocorticism in ferrets.

1996. Neuwirth, L. *Veterinary Cancer Society Newsletter*, 1996, v. 19 (4), p. 5-6. ref.

Descriptors: diagnosis, ultrasonic, radiography, neoplasms, adrenal gland diseases.

Multiple splenic myelolipomas in a ferret (*Mustela putorius furo*). 1996. Li, X.; Fox, J.G.;

Erdman, S.E. *Laboratory Animal Science*, Feb. 1996, v. 46 (1), p. 101-103. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, lipoma, diagnosis, histopathology.

Pancreatic beta cell tumor in ferrets: 20 cases (1986-1994). 1996. Ehrhart, N.; Withrow, S.J.;

Ehrhart, E.J.; Wimsatt, J.H. *Journal of the American Veterinary Medical Association*, Nov. 15, 1996, v. 209 (10), p. 1737-1740. ref. ISSN: 0003-1488.

NAL call no: 41.8 Am3

Descriptors: ferrets, pancreas, neoplasms, symptoms, medical treatment.

Serous biliary cystadenoma in ferrets (*Mustela putorius furo*). 1996. Fox, J.G.; Li, X.; Murphy,

J.C. *Contemporary Topics in Laboratory Animal Science*, Nov. 1996, v. 35 (6), p. 78-79. ref. ISSN: 1060-0558.

NAL call no: SF405.5.A23

Descriptors: neoplasms, biliary system, ferrets, histopathology.

Synovial sarcoma in a ferret. 1996. Lloyd, M.H.; Wood, C.M. *Veterinary Record*, Dec. 21-28,

1996, v. 139 (25), p. 627-628. ref. ISSN: 0042-4900.

NAL call no: 41.8 V641

Descriptors: ferrets, sarcoma, stifle, histopathology, malignant course.

Cutaneous lymphoma in a ferret (*Mustela putorius furo*). 1995. Li, X.; Fox, J.G.; Erdman, S.E.; Aspros, D.G. *Veterinary Pathology*, 1995, v. 32 (1), p. 55-56. ref. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: ferrets, lymphoma, skin, histopathology, case reports

Evaluation of urinary cortisol:Creatinine ratios for the diagnosis of hyperadrenocorticism associated with adrenal gland tumors in ferrets. 1995. Gould, W.J.; Reimers, T.J.; Bell, J.A.; Lawrence, H.J. Randolph, J.F.; Rowland, P.H.; Scarlett, J.M. *Journal of the American Veterinary Medical Association*, Jan. 1, 1995, v. 206 (1), p. 42-46. ISSN: 0003-1488.
NAL call no: 41.8 AM3
Descriptors: adrenal gland hyperfunction, creatinine, urine, adenocarcinoma.

Ferret insulinoma. 1995. Rosenthal, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1995, v. 9, p. 581.
NAL call no: SF605.N672
Descriptors: ferrets, pancreas, neoplasms.

Insulinoma in dogs, cats, and ferrets. 1995. Elie, M.S.; Zerbe, C.A. *Compendium on Continuing Education for the Practicing Veterinarian*, Jan. 1995, v. 17 (1), p. 51-59. ref. ISSN: 0193-1903.
NAL call no: SF601.C66
Descriptors: dogs, cats, ferrets, pancreas islets, adenoma, symptoms, drug therapy.

Large granular lymphocyte leukemia in a ferret. 1995. Boone, L.I.; Barthel, R.; Helman, R.G.; Drew, M. *Veterinary Clinical Pathology*, 1995, v. 24 (1), p. 6-10. ref. ISSN: 0275-6382.
NAL call no: SF601. A54
Descriptors: leukemia, ferrets, histopathology, case reports.

A light microscopical, ultrastructural and immunohistochemical study of spindle-cell adrenocortical tumours of ferrets. 1995. Gliatto, J.M.; Alroy, J.; Schelling, S.H.; Engler, S.J.; Dayal, Y. *Journal of Comparative Pathology*, Aug. 1995, v. 113 (2), p. 175-183. ref. ISSN: 0021-9975.
NAL call no: 41.8 J82
Descriptors: neoplasms, adrenal cortex, histopathology, ultrastructure.

Liposarcoma arising from the mandibular bone marrow in a ferret. 1995. Fuentealba, C.; Blue, McLendon A. *Canadian Veterinary Journal*, Dec. 1995, v. 36 (12), p. 779-780. ref. ISSN: 0008-5286.
NAL call no: 41.8 R3224
Descriptors: mandible, sarcoma, surgery, histopathology, ferrets.

Thymoma in two ferrets. 1995. Taylor, T.G.; Carpenter, J.L. *Laboratory Animal Science*, Aug. 1995, v. 45 (4), p. 363-365. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: neoplasms, thymus gland, mediastinum, ferrets, case reports.

Transmission of a chronic lymphoproliferative syndrome in ferrets. 1995. Erdman, S.E.; Reimann, K.A.; Moore, F.M.; Kanki, P.J.; Yu, Qianchun; Fox, J.G.; Yu, Q.C. *Laboratory*

Investigation, 1995, v. 72 (5), p. 539-546. ref. ISSN: 0023-6837.

Descriptors: experimental infections, neoplasms, lymphoma, disease transmission.

Two cases of pyloric adenocarcinoma in the ferret (*Mustela putorius furo*). 1995. Sleeman, J.M.; Clyde, V.L.; Jones, M.P.; Mason, G.L. *Veterinary Record*, Sept. 9, 1995, v. 137 (11), p. 272-273. ref. ISSN: 0042-4900.

NAL call no: 41.8 V641

Descriptors: carcinoma, stomach, symptoms, diagnosis, histopathology.

Use of a vascular access system for administration of chemotherapeutic agents to a ferret with lymphoma. 1995. Rassnick, K.M.; Gould, W.J.; Flanders, J.A. *Journal of the American Veterinary Medical Association*, 1995, v. 206 (4), p. 500-504. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: lymphoma, catheterization, antineoplastic agents, drug therapy.

Evaluation of serum estradiol concentrations in alopecic ferrets with adrenal gland tumors.

1994. Wagner, R.A.; Dorn, D.P. *Journal of the American Veterinary Medical Association*, 1994, v. 205 (5), p. 703-707. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: hormones, alopecia, skin diseases, neoplasms, adrenal gland.

How we treat an insulinoma in the ferret. 1994. Rosenthal, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1994, p. 822.

NAL call no: SF605.N672

Descriptors: ferrets, neoplasms, medical treatment.

Ultrasonographic detection of adrenal gland tumors in two ferrets. 1994. Ackermann, J.; Carpenter, J.W.; Godshalk, C.P.; Harms, C.A. *Journal of the American Veterinary Medical Association*, Oct. 1, 1994, v. 205 (7), p. 1001-1003. ref. ISSN: 0003-1488.

NAL call no: 41.8 Am3

Descriptors: adrenal glands, carcinoma, ultrasonic diagnosis, ferrets.

Adrenal neoplasia in seven ferrets. 1993. Neuwirth, L.; Isaza, R.; Bellah, J.; Ackerman, N.; Collins, B. *Veterinary Radiology and Ultrasound*, Sept./Oct. 1993, v. 34 (5), p. 340-346. ref. ISSN: 1058-8183.

NAL call no: SF757.8.A4

Descriptors: adrenal glands, adenoma, carcinoma, ultrasonography, adrenalectomy.

Estradiol-17 beta-secreting adrenocortical tumor in a ferret. 1993. Lipman, N.S.; Marini, R.P.; Murphy, J.C.; Zhibo, Z.; Fox, J.G. *Journal of the American Veterinary Medical Association*, Dec. 11, 1993, v. 203 (11), p. 1552-1555. ref. ISSN: 0003-1488.

NAL call no: 41.8 Am3

Descriptors: neoplasms, adrenal cortex, symptoms, diagnosis, ferrets.

Histopathologic features and post-surgical sequelae of 57 cutaneous neoplasms in ferrets (*Mustela putorius furo*). 1993. Parker, G.A.; Picut, C.A. *Veterinary Pathology*, Nov. 1993, v. 30 (6), p. 499-504. ref. ISSN: 0300-9858.

NAL cal no: 41.8 P27

Descriptors: ferrets, neoplasms, skin.

Hyperadrenocortism associated with adrenocortical tumor or nodular hyperplasia of the adrenal gland in ferrets: 50 cases (1987-1991). 1993. Rosenthal, K.L.; Peterson, M.E.; Quesenberry, K.E.; Hillyer, E.V.; Beeber, N.L.; Moroff, S.D.; Lothrop, C.D. *Journal of the American Veterinary Medical Association*, 1993, v. 203 (2), p. 271-275. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: hyperplasia, adrenal gland diseases, neoplasms, adrenal glands.

Spontaneous neoplasia in the ferret (*Mustela putorius furo*). 1993. Beach, J.E.; Greenwood, B. *Journal of Comparative Pathology*, Feb. 1993, v. 108 (2), p. 133-147. ref. ISSN: 0021-9975.

NAL call no: 41.8 J82

Descriptors: ferret, neoplasms.

Unilateral adrenalectomy as a treatment for adrenocortical tumors in ferrets: Five cases (1990-1992). 1993. Lawrence, H.J.; Gould, W.J.; Flanders, J.A.; Rowland, P.H.; Yeager, A.E. *Journal of the American Veterinary Medical Association*, 1993, v. 203 (2), p. 267-270. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: adenoma, alopecia, adrenal gland diseases, neoplasms, adrenalectomy.

Adrenal tumors and insulinomas in ferrets. 1992. Hillyer, E.V. *Journal of Small Exotic Animal Medicine*, 1992, v. 2 (1), p. 37-38.

Descriptors: pancreatic diseases, neoplasms, adrenal gland diseases.

Combination doxorubicin and orthovoltage radiation therapy, single-agent doxorubicin, and high-dose vincristine for salvage therapy of ferret. 1992. Hutson, C.A.; Kopit, M.J.; Walder, E.J. *Journal of the American Animal Hospital Association*, Jul./Aug. 1992, v. 28 (4), p. 365-368. ref. ISSN: 0587-2781.

NAL call no: SF601.A5

Descriptors: ferrets, drug therapy, lymphosarcoma, case reports.

Concurrent mammary glands hyperplasia and adrenocortical carcinoma in a domestic ferret.

1992. Mor, N.; Qualls, C.W. Jr.; Hoover, J.P. *Journal of the American Veterinary Medical Association*, Dec. 15, 1994, v. 201 (12), p. 1911-1912. Ref. ISSN: 0003-1488.

NAL call no: 41.8 Am3

Descriptors: carcinoma, adrenal cortex, mammary gland, symptoms.

Malignant lymphoma in ferrets: Clinical and pathological findings in 19 cases. 1992. Erdman, S.E.; Moore, F.M.; Rose, R.; Fox, J.G. *Journal of Comparative Pathology*, Jan. 1992, v. 106 (1), p. 37-47. ref. ISSN: 0021-9975.

NAL call no: 41.8 J82

Descriptors: lymphoma, symptoms, pathology, age, etiology, ferrets.

Pancreatic adenocarcinoma with metastasis in two ferrets. 1992. Noefer, H.L.; Patnaik, A.K.; Lewis, A.D. *Journal of the American Veterinary Medical Association*, Aug. 1, 1992, v. 201 (3), p. 466-467. ref. ISSN: 0003-1488.

NAL call no: 41.8 Am3

Descriptors: carcinoma, pancreas, metastasis, symptoms, diagnosis, ferrets.

Pyloric adenocarcinoma in a ferret. 1992. Rice, L.E.; Stahl, S.J.; McLeod, C.G. Jr. *Journal of the American Veterinary Medical Association*, Apr. 15, 1992, v. 200 (8), p. 1117-1118. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: ferrets, stomach, adenoma, carcinoma, case reports.

Bleomycin chemotherapy for metastatic squamous cell carcinoma in a ferret. 1991. Hamilton, T.A.; Morrison, W.B. *Journal of the American Veterinary Medical Association*, Jan. 1, 1991, v. 198 (1), p. 107-108. ref. ISSN: 0003-1488.
NAL call no: 41.8 AM3
Descriptors: drug therapy, antineoplastic agents, carcinomas.

A histomorphological and immunohistochemical study of chordoma in twenty ferrets (*Mustela putorius furo*). 1991. Dunn, D.G.; Harris, R.K.; Meis, J.M.; Sweet, D.E. *Veterinary Pathology*, 1991, v. 28 (6), p. 467-473. ref. ISBN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: disease models, histochemistry, neoplasms, tail.

Immunohistochemical and morphologic features of chordomas in ferrets (*Mustela putorius furo*). 1990. Herron, A.J.; Brunnert, S.R.; Ching, S.V.; Dillberger, J.E.; Altman, N.H. *Veterinary Pathology*, Jul. 1990, v. 27 (4), p. 284-286. ill. ref. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: neoplasms, spine, spinal diseases, keratin, immunohistochemistry.

Immunocytochemistry of pancreatic endocrine tumors in three domestic ferrets (*Mustela putorius furo*). 1990. Fix, A.S.; Harms, C.A. *Veterinary Pathology*, May 1990, v. 27 (3), p. 199-201. ill. ref. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: ferrets, neoplasms, pancreas, histopathology.

Leiomyosarcoma in a domestic ferret: Morphologic and immunocytochemical diagnosis. 1990. Brunnert, S.R.; Herron, A.J.; Altman, N.H. *Laboratory Animal Science*, Mar. 1990, v. 40 (2), p. 208-210. ill. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ferrets, sarcoma, shoulders, histopathology, immunodiagnosis.

Splenic lymphosarcoma in a ferret. 1990. Hammond, D.L. *Journal of the American Animal Hospital Association*, Jan./Feb. 1990, v. 26 (1), p. 101-103. ref. ISSN: 0587-2871.
NAL call no: SF601.A5
Descriptors: ferrets, lymphosarcoma, spleen, differential diagnosis.

Transitional cell carcinoma of the renal pelvis in a ferret. 1990. Bell, R.C.; Moeller, R.B. *Laboratory Animal Science*, Sept. 1990, v. 40 (5), p. 537-538. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ferrets, carcinoma, kidneys, histopathology, case reports.

Neoplasia in ferrets. 1988. Goad, M.E.P.; Fox, J.G. *Biology and Diseases of the Ferret*, James D. Fox (ed). Lea & Febiger, Philadelphia, 1988. P. 274-288. ill. ref. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: ferrets, neoplasms, skin diseases, abdomen, endocrine diseases.

NEUROLOGICAL / NERVOUS SYSTEM

Architecture and callosal connections of visual areas 17, 18, 19 and 21 in the ferret (*Mustela putorius*). 2002. Innocenti, Giorgio M.; Manger, Paul R.; Masiello, Italo; Colin, Isabelle; Tettoni, Laurent. *Cerebral Cortex*, Apr. 2002, v. 12 (4), p. 411-422. ISSN: 1047-3211.
Descriptors: cerebral cortex anatomy, histology, corpus callosum physiology.

Developmental regulations of brain nitric oxide synthase expression in the ferret thalamic reticular nucleus. 2002. McCauley, Anita K.; Meyer, Georgia A.; Godwin, Dwayne W. *Neuroscience Letters*, Mar. 8, 2002, v. 320 (3), p. 151-155. ISSN: 0304-3940.
Descriptors: metabolism, ultrastructure, physiology, growth, development.

Distribution of metabotropic glutamate receptors in the superior colliculus of the adult rat, ferret and cat. 2002. Cirone, J.; Sharp, C.; Jeffery, G.; Salt, T.E. *Neuroscience*, 2002, v. 109 (4), p. 779-786. ISSN: 0306-4522.
Descriptors: astrocytes metabolism, glutamic acid metabolism, ferret.

Neurochemical phenotypes of neurons in medullary reticular formation controlling diaphragm and abdominal muscles in the ferret. 2002. Billig, Isabelle; Card, J. Patrick; Yates, Bill J. *FASEB Journal*, Mar. 2002, v. 16 (5), p. A810. ISSN: 0892-6638. www.fasebj.org/.
Descriptors: nervous system, respiration, neural coordination, abdominal muscles.

Neuromodulatory role of serotonin in the ferret thalamus. 2002. Monckton, James E.; McCormick, David A. *Journal of Neurophysiology*, Apr. 2002, v. 87 (4), p. 2124-2136. ISSN: 0022-3077.
Descriptors: serotonin physiology, Thalamus physiology, drug effects, ferret.

Relationship of local inhibitory and excitatory circuits to orientation preference maps in ferret visual cortex. 2002. Roerig, B.; Chen, B. *Cerebral Cortex*, Feb. 2002, v. 12 (2), p. 187-198. ISSN: 1047-3211.
Descriptors: nervous system, sense organs, visual cortex, striate cortex, ferret.

The representation of the visual field in three extrastriate areas of the ferret (*Mustela putorius*) and the relationship of retinotopy and field boundaries to callosal connectivity. 2002. Manger, Paul R.; Kiper, Daniel; Masiello, Italo; Murillo, Luis; Tettoni, Laurent; Hunyadi, Zsolt; Innocenti, Giorgio M. *Cerebral Cortex*, Apr. 2002, v. 12 (4), p. 423-437. ISSN: 1047-3211.
Descriptors: ferret physiology, corpus callosum physiology, retina physiology.

Retinal waves: Implications for synaptic learning rules during development. 2002. Butts, Daniel A. *Neuroscientist*, Jun. 2002, v. 8 (3), p. 243-153. ISSN: 1073-8584.
Descriptors: development, nervous system, cell biology, sense organs, ferret.

Sexually dimorphic activation of galanin neurones in the ferret's dorsomedial preoptic area/anterior hypothalamus after mating. 2002. Bakker, J.; Woodley, S.K.; Kelliher, K.R.; Baum, M.J. *Journal of Neuroendocrinology*, Feb. 2002, v. 14 (2), p. 116-125. ISSN: 0953-8194.
Descriptors: nervous system, anterior hypothalamus, preoptic area, activation, ferret.

Dual medullary dorsal horn neuronal responses to iontophoretically applied dynorphin-A in ferrets. 2001. Ahn, D.K.; Maixner, W.; Light, A.M.; Narhi, M. *Society for Neuroscience Abstracts*, 2001, v. 27 (1), p. 424. ISSN: 0190-5295.
Descriptors: nervous system, medullary dorsal horn, dynorphin A.

Effect of speed on response of V1 neurons to motion of contour and terminator cues. 2001. White, L.E.; Basole, A.; Fitzpatrick, D. *Society for Neuroscience Abstracts*, 2001, v. 27 (1), p. 429. ISSN: 0190-5295.
Descriptors: nervous system, neuron, optical map, V12 neuron, contour motion.

Ferrets apparently lack atypical glomerulin in the main olfactory bulb. 2001. Woodley, S.K.; Chang, Y.M.; Baum, M.J. *Hormones and Behavior*, 2001, v. 39 (4), p. 319. ISSN: 0018-506X.
Descriptors: behavior, endocrine system, nervous system, olfactory bulb, ferret.

The ferrets vomeronasal organ and accessory olfactory bulb: Effect of hormone manipulation in adult males and females. 2001. Kelliher, Kevin R.; Baum, Michael J.; Meredith, Michael. *Anatomical Record*, Jul. 1, 2001, v. 263 (3), p. 280-288. ISSN: 0003-276X.
Descriptors: nervous system, sense organs, accessory olfactory bulb, vomeronasal organ.

Golgi cells change their activity after blockade of nucleo-olivary inhibition in decerebrate ferrets. 2001. Bengtsson, F.L.; Hesslow, G. *Society for Neuroscience Abstracts*, 2001, v. 27 (1), p. 185. ISSN: 0190-5295.
Descriptors: nervous system, cerebellar cortex, golgi cell, decerebrate, ferret.

Mating-induced Fos-immunoreactivity in retrogradely labeled projection neurons to the medial preoptic area of female ferrets. 2001. Woodley, S.K.; Baum, M.J. *Society for Neuroscience Abstracts*, 2001, v. 27 (1), p. 504. ISSN: 0190-5295.
Descriptors: endocrine system, nervous system, brain, preoptic area, ferret.

Neuropeptide expression in the ferret trigeminal ganglion following ligation of the inferior alveolar nerve. 2001. Elcock, C.; Boissonade, F.M.; Robinson, P.P. *Archives of Oral Biology*, Aug. 2001, v. 46 (8), p. 729-743. ISSN: 0003-9969.
Descriptors: dental and oral system, sensory reception, trigeminal ganglion.

Optical imaging fails to reveal ON/OFF maps in ferret primary visual cortex. 2001. Chapman, B.; Godecke, I. *Society for Neuroscience Abstracts*, 2001, v. 27 (2), p. 1624. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, sensory reception, retina, ferret.

Organization and neurochemistry of vagal preganglionic neurons innervating the lower esophageal sphincter in ferrets. 2001. Hyland, N.P.; Abrahams, T.P.; Fuchs, K.; Burmeister, M.A.; Hornby, P.J. *Journal of Comparative Neurology*, 2001, v. 430 (2), p. 222-234. ISSN: 0021-9967.
Descriptors: vagus nerve, esophagus, neurons, preganglionic, ferret.

Perceptual learning in sound localization by adult ferrets. 2001. Kacelink, O.; Parsons, C. H.; King, A.J. *Society for Neuroscience Abstracts*, 2001, v. 27 (1), p. 158. ISSN: 0190-5295.
Descriptors: nervous system, auditory system, sensory system, perceptual learning.

- Relationship between multiple stimulus feature maps in ferret visual cortex.** 2001. Yu, H.; Farley, B.J.; Sharma, J.; Sur, M. *Society for Neuroscience Abstracts*, 2001, v. 27 (2), p. 1625. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, sensory system, occipital region.
- Retinotopic organization of feedback projections to ferret striate cortex.** 2001. Cantone, G.; McFarlane, N.; Levitt, J.B. *Society for Neuroscience Abstracts*, 2001, v. 27 (2), p. 1624. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, V1 region, area-7, ferret.
- Spatial distribution of inhibitory synaptic connections during development of ferret visual cortex.** 2001. Chen, B.; Kao, J.P.Y.; He, Z.; Roerig, B. *Society for Neuroscience Abstracts*, 2001, v. 27 (2), p. 1624. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, eye, spatial distribution.
- Spontaneous activity in developing ferret visual cortex in vivo.** 2001. Chiu, Chiayu; Weliky, Michael. *Journal of Neuroscience*, Nov. 15, 2001, v. 21 (22), p. 8906-8914. ISSN: 0270-6474.
Descriptors: development, nervous system, sensory reception, area 17, eye, ferret.
- A 30-50 kD protein appears to radialize fibers in developing ferret cortex.** 2001. Gierdalski, M.; Jablonske, B.; Juliano, S.L. *Society for Neuroscience Abstracts*, 2001, v. 27 (1), p. 1231. ISSN: 0190-5295.
Descriptors: development, nervous system, cortex, radial glial fiber, ferret.
- Visual response properties of neurons in layer 4 of ferret primary visual cortex.** 2001. Usrey, W.M.; Chapman, B. *Society for Neuroscience Abstracts*, 2001, v. 27 (2), p. 1624. ISSN: 0190-5295.
Descriptors: nervous system, sensory reception, neuron, layer-4, LGN.
- In vivo optical mapping of epileptic foci and surround inhibition in ferret cerebral cortex.** 2001. Schwartz, Theodore H.; Bonhoeffer, Tobias. *Nature and Medicine*, 2001, v. 7 (9), p. 1063-1067. ISSN: 1078-8956.
Descriptors: cerebral cortex, nervous system, neuron, epileptic foci, mapping.
- Astrocyte invasion and vasculogenesis in the developing ferret retina.** 2000. Kopatz, K.; Distler, C. *Journal of Neurocytology*, 2000, v. 29 (3), p. 157-172. ISSN: 0300-4864.
Descriptors: angiogenesis, retina, ontogeny, astrocytes, blood vessels, ferret.
- Axonal regrowth and survival of axotomized retinal ganglion cells in peripheral nerve-grafted ferrets.** 2000. Kosaka, Jun. *Neuroscience Research Supplement*, 2000, (24), S47. ISSN: 0921-8696.
Descriptors: nervous system, regeneration, optic nerve, axon, allograft.
- Cortical recovery from monocular deprivation in ferrets.** 2000. Liao, D.S.; Prusky, G.T.; Mower, A.F.; Ramoa, A.S. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-), Abstract No. 322.6. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, visual cortex, cortical recovery.

Definition of neuronal circuitry controlling the activity of phrenic and abdominal motoneurons in the ferret using recombinant strains of pseudorabies virus. 2000. Billig, I.; Foris, J.M.; Enquist, L.W.; Card, J.P.; Yates, B.J. *Journal of Neuroscience*, 2000, v. 20 (19), p. 7446-7454. ISSN: 0270-6474.

Descriptors: infection, nervous system, viruses, respiration.

Development of inhibitory circuitry in visual and auditory cortex of postnatal ferrets:

Immunocytochemical localization of calbindin and parvalbumin containing neurons. 2000. Gao, W.J.; Wormington, A.B.; Newman, D.E.; Pallas, S.L. *Journal of Comparative Neurology*, Jun. 19, 2000, v. 422 (1), p. 140-157. ISSN: 0021-9967.

Descriptors: experience, calbindin, parvalbumin, auditory cortex, visual cortex.

Differential age-related changes in the expression of calcium-binding proteins in the ferret midbrain. 2000. Rodriguez, Nodal F.; Doubell, T.P.; King, A.J. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 28.10. ISSN: 0190-5295.

Descriptors: nervous system, dorsal cortex, midbrain, age related changes.

Ectopic neural activity from myelinated afferent fibres in the lingual nerve of the ferret following three types of injury. 2000. Yates, J.M.; Smith, K.G.; Robinson, P.P. *Brain Research*, Aug. 18, 2000, v. 874 (1), p. 37-47. ISSN: 0006-8993.

Descriptors: nervous system, lingual nerve, myelinated afferent fibers.

The effect of a layer 4 disruption on the laminar distribution of excitatory and inhibitory receptors in ferret somatosensory cortex. 2000. Jablonska, B.; Smith, A.L.; Palmer, S.L.; Noctor, S.C.; Juliano, S.L. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 547.21. ISSN: 0190-5295.

Descriptors: nervous system, ferret, somatosensory cortex, layer 4.

Effects of alternating retinal activity blockade on the development of orientation maps in ferret visual cortex. 2000. Chapman, B.; Slutsky, D.A. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 825.8. ISSN: 0190-5295.

Descriptors: endocrine system, nervous system, ferret, sensory system.

Effects of visual deprivation on functional maps and horizontal connections in developing ferret visual cortex. 2000. White, L.E.; Van Loon, K.J.; Coppola, D.M.; Fitzpatrick, D. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 322.11. ISSN: 0190-5295.

Descriptors: nervous system, sense organs, visual deprivation, dark rearing, ferret.

Extrastriate cortical visual areas of the ferret (*Mustela putorius*). 2000. Manger, P.R.; Hunyadi, Z.; Masiello, I.; Innocenti, G.M. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 449.19. ISSN: 0190-5295.

Descriptors: nervous system, brain, extrastriate visual cortex, ferret.

An extrastriate visual area anterior to V III in the ferret. 2000. Manger, P.R.; Murillo, L.; Hunyadi, Z.; Innocenti, G.M. *European Journal of Neuroscience*, 2000, v. 12 (Supplement 11), p. 490. ISSN: 0953-816X.

Descriptors: nervous system, sense organs, sensory reception, extrastriate visual area.

Necessity for afferent activity to maintain eye-specific segregation in ferret lateral geniculate nucleus. 2000. Chapman, B. *Science Washington DC*, Mar. 31, 2000, v. 287 (5462), p. 2479-2482. ISSN: 0036-8075.
NAL call no: 470 SCI2
Descriptors: eye, lateral geniculate nucleus, retinal ganglion cells, ferret.

Organization of inhibitory synaptic circuits in layer 4 of ferret visual cortex related to direction preference maps. 2000. Roerig, B.; Rash, B.G.; Kao, J.P. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 687.1. ISSN: 0190-5295.

The organization of somatosensory cortex in the ferret. 2000. Hunt, D.L.; Slutsky, D.A.; Krubitzer, L.A. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 243.13. ISSN: 0190-5295.
Descriptors: nervous system, somatosensory cortex, deep receptors, ferret.

Patterns of synaptic connections between direction preference maps in ferret visual cortex. 2000. Chen, B.Z.; Gibber, M.; Roerig, B. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 687.2. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, sensory reception, ferret.

Reelin immunoreactivity in the cerebral cortex of embryonic and postnatal ferrets. 1999. Martinez, Cerdeno V.; Galazo, M.J.; Fairen, A.; Clasca, F. *European Journal of Neuroscience*, 2000, v. 12 (Supplement 11), p. 327. ISSN: 0953-816X.
Descriptors: development, nervous system, cerebral cortex, reelin, ferret.

Responses of ferret primary auditory cortical neurons to virtual auditory space stimuli. 2000. Mrsic, Floegl T.; Schnupp, J.W.; King, A.J. *Society for Neuroscience Abstracts*, v. 26, (1-2), Abstract No. 161.8. ISSN: 0190-5295.
Descriptors: nervous system, high frequency neuron, ferret.

Spatial selectivity of simple cells in ferret primary visual cortex in response to sinusoidal gratings and natural scene stimuli. 2000. Smyth, D.; Tilhurst D.J.; Thompson, I.D. *European Journal of Neuroscience*, 2000, v. 12 (Suppl. 11), p. 127. ISSN: 0953-816X.
Descriptors: nervous system, primary visual cortex, sinusoidal gratings.

Superficial layer stimulation elicits GABA-mediated inhibition of deep layer neurons in ferret superior colliculus. 2000. Meredith, M.A.; Behan, M. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 636.19. ISSN: 0190-5259.
Descriptors: nervous system, ferret, deep layer neurons, superior colliculus.

Topographical projection from the superior colliculus to the nucleus of the brachium of the inferior colliculus in the ferret: Convergence of visual and auditory information. 2000. Doubell, Timothy P.; Baron, Jerome; Skaliora, Irini; King, Andrew J. *European Journal of Neuroscience*, 2000, v. 12 (12), p. 4290-4308. ISSN: 0953-816X.
Descriptors: nervous system, superior colliculus, brachium nucleus, ferret.

Transneuronal tracing of neural pathways controlling abdominal musculature in the ferret.

2000. Billig, I.; Hartge, K.; Card, J.P.; Yates, B.J. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-20, Abstract No. 546.4. ISSN: 0190-5295.

Descriptors: nervous system, rectus abdominis, neurons, brainstem.

In vivo optical imaging of neocortical epilepsy and surround inhibition in ferret cerebral cortex.

2000. Schwartz, T.H.; Bonhoeffer, T. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract No. 81.15. ISSN: 0190-5295.

Descriptors: nervous system, cerebral cortex, neocortical epilepsy, ferret.

Comparative analysis of serotonin's action in cat, ferret and monkey pulvinar. 1999. Monckton,

J.E.; McCormick, D.A. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 440. ISN: 0190-5295.

Descriptors: nervous system, neurons, pulvinar, thalamic nuclei.

The critical period for ocular dominance plasticity in the ferret's visual cortex. 1999. Issa, N.P.;

Trachtenberg, J.T.; Chapman, B.; Zahs, K.R.; Stryker, M.P. *Journal of Neuroscience*, 1999, v. 19 (16), p. 6965-6978. ISSN: 0270-6474.

Descriptors: visual cortex, visual deprivation, ocular dominance, ferret.

Definition of neuronal circuitry controlling the activity of phrenic and abdominal motoneurons in ferret using recombinant strains of pseudorabies virus. 1999. Billig, I.; Foris, J.M.;

Enquist, L.W.; Card, J.F.; Yates, B.I. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 938. ISSN: 0190-5295.

Descriptors: abdominal motoneurons, nervous system, phrenic motoneurons.

Development of inhibitory circuitry in visual and auditory cortex of postnatal ferrets:

Immunocytochemical localization of GABAergic neurons. 1999. Gao, Wen Jun; Newman, D.E.; Wormington, A.B.; Pallas, S.L. *Journal of Comparative Neurology*, 1999, v. 409 (2), p. 261-273. ISSN: 0021-9967.

Descriptors: circuits, visual cortex, auditory cortex, plasticity, developmental, ferret.

The development of retinal ganglion cell dendritic stratification in ferrets. 1999. Bodnarenko,

S.R.; Yeung, G.; Thomas, L.; McCarthy, M. *Neuroreport*, 1999, v. 10 (14), p. 2955-2959. ISSN: 0959-4965.

Descriptors: retinal ganglion cells, dendrites, development, ferret.

Early segregation of ocular dominance columns in ferret visual cortex. 1999. Crowley, J.C.;

Katz, L.C. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 2265. ISSN: 0190-5295.

Descriptors: development, nervous system, ocular dominance column, ferret.

Effects of dark-rearing on triphenyl phosphite-induced neuropathy in the visual system of the developing European ferret (*Mustela putorius furo*). 1999. Tanaka, Duke Jr.; Lin, M.;

Powell, D.; Morgan, M.; Lipsitz, L.; Aulerich, R.J.; Bursian, S.J. *Journal of Toxicology and Environmental Health: Part A*, 1999, v. 58 (4), p. 215-231. ISSN: 0098-4108.

NAL call no: RA565.A1J6

Descriptors: neuropathy, visual system, light effects, visual cortex, neurodegeneration.

Effects of monocular lid suture on the map of orientation preference in developing ferret visual cortex. 1999. Coppola, D.M.; White, L.E.; Fitzpatrick, D. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1937. ISSN: 0190-5295.
Descriptors: development, nervous system, sense organs, sensory reception.

Effects of monocular lid suture on the monocular representation of central visual space in ferret visual cortex. 1999. Fitzpatrick, D.; Coppola, D.M.; White, L.E. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1937. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, sensory reception, visual cortex.

The effects of interrupted development of neocortical layers on calcium uptake in ferret somatosensory cortex. 1999. Gierdalski, M.; Juliano, S.L. *Society for Neuroscience Abstracts*, v. 25 (1-2), p. 752. ISSN: 0190-5295.
Descriptors: nervous system, somatosensory cortex, development, ferret.

Enhanced NR2A subunit expression and decreased NMDA receptor decay time at the onset of ocular dominance plasticity in the ferret. 1999. Roberts, E.B.; Ramoa, A.S. *Journal of Neurophysiology*, 1999, v. 81 (5), p. 2587-2591. ISSN: 0022-3077.
Descriptors: plasticity, critical period, ocular dominance, ferret.

Ferret pyramidal cell dendritogenesis: Changes in Morphology and ganglioside expression during cortical development. 1999. Zervas, M.; Walkley, S.U. *Journal of Comparative Neurology*, 1999, v. 413 (3), p. 429-448. ISSN: 0021-9967.
Descriptors: cortex, pyramidal cells, neurogenesis, gangliosides, ferret.

Fine-scale analysis of receptive field maturation in the developing ferret LGN. 1999. Travazoie, Sohail F.; Reid, R. Clay. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1267. ISSN: 0190-5295.
Descriptors: nervous system, ganglion cell axons, lateral geniculate nucleus.

Functional mapping of superficial-deep projections in ferret superior colliculus (SC). 1999. Meredith, M.A.; Clemo, H.R. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1919. ISSN: 0190-5295.
Descriptors: nervous system, superior colliculus, superficial deep projections.

Localization of FGFR-1 in axotomized and peripheral nerve transplanted ferret retina. 1999. Quan, Mei Zi; Kosaka, Mitsuko; Watanabe, Masami; Fukuda, Yutaka. *Neuroreport*, 1999, v. 10 (18), p. 3903-3907. ISSN: 0959-4956.
Descriptors: retinal ganglion cells, axotomy, transplants, ferret.

Maps of central visual space in ferrets V1 and V2 lack matching inputs from the two eyes. 1999. White, L.E.; Bosking, W.H.; Williams, S.M.; Fitzpatrick, D. *Journal of Neuroscience*, 1999, v. 19 (16), p. 7089-7099. ISSN: 0270-6474.
Descriptors: visual system, visual cortex, lateral geniculate nucleus, ferret.

Multistratified alpha and beta ganglion cells in developing ferret retina manifest ON/OFF responses to light. 1992. Wang, G.Y.; Liets, L.C.; Wefers, C.J.; Chalupa, L.M. *Society for*

Neuroscience Abstracts, 1999, v. 25 (1-2), p. 1267. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, dendrites, ganglion cells, ferret.

The neuronal form of nitric oxide synthase is required for pattern formation by retinal afferents in the ferret lateral geniculate nucleus. 1999. Cramer, K.S.; Sur, M. *Developmental Brain Research*, 1999, v. 116 (1), p. 79-86. ISSN: 0165-3806.
Descriptors: retina, lateral geniculate nucleus, development, ferret.

The number and efficacy of single retinal axon inputs to cells in the ferret lateral geniculate nucleus during the development of ON/OFF sublimination. 1999. Hohnke, C.D.; Sur, M. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1267. ISSN: 0190-5295.
Descriptors: nervous system, optic tract, retinal axon inputs, synapses, ferret.

Organization of intracortical circuits in relation to direction preference maps in ferret visual cortex. 1999. Roerig, B.; Kao, J.P.Y. *Journal of Neuroscience*, 1999, v. 19 (24), p. RC44: 1-5. ISSN: 0270-6467.
Descriptors: visual pathways, motion detection, cortex visual, ferret.

Pattern formation by retinal afferents in the ferret lateral geniculate nucleus: Developmental segregation and the role of N-Methyl-D-Aspartate receptors. 1999. Hahm, J.O.; Cramer, K.S.; Sur, M. *Journal of Comparative Neurology*, 1999, v. 411 (2), p. 327-345. ISSN: 0021-9967.
Descriptors: retina, development, lateral geniculate nucleus, ferret.

Postnatal development of the ferret vestibular receptors. 1999. Shall, M.; Lanzino, D.; Kinirons, S. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 753. ISSN: 0190-5295.
Descriptors: development, nervous system, neural coordination.

Relationship between receptive field structure and orientation selectivity in simple cells of immature ferret primary visual cortex. 1999. Taha, S.; Stryker, M.P. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1266. ISSN: 0190-5295.
Descriptors: nervous system, primary visual cortex, stimulus orientation, ferret.

Relationship between direction preference maps and intracortical synaptic connections in ferret visual cortex. 1999. Roerig, B.; Kao, J.P.Y. *Society for Neuroscience Abstracts*, v. 25 (1-2), p. 782.
Descriptors: nervous system, sense organs, visual cortex.

Relationship between visual inputs, NMDA receptors and predorsal bundle neurons in the ferret superior colliculus. 1999. Doubell, T.P.; King, A.J. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 1939. ISSN: 0190-5295.
Descriptors: nervous system, sense organs, predorsal bundle neurons, ferret.

Stimulation of the cerebello-olivary pathway in classically conditioned ferrets causes extinction of the conditioned response. 1999. Bengtsson, F.; Svensson, P.; Hesslow, G. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 95. ISSN: 0190-5295.
Descriptors: behavior, nervous system, cerebello-olivary pathway, ferret.

Thalamic and corticofugal axons follow separate routes within the cortical white matter of developing and adult ferrets. 1999. Garcia, Sanchez J.I.; Martinez, Cerdeno V.; Mendez, Suso J.J.; Cambronero, F.; Llorente, V.; Clasca, F. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 504. ISSN: 0190-5295.

Descriptors: development, nervous system, corticofugal axons, ferret.

Transneuronal tracing of neural pathways controlling activity of diaphragm motoneurons in the ferret. 1999. Yates, B.J.; Smail, J.A.; Stocker, S.D.; Card, J.P. *Neurosciences*, 1999, v. 90 (4), p. 1501-1513. ISSN: 0306-4522.

Descriptors: motor neurons, central nervous system, histology, cytology, ferret.

Visual stimulus-dependent changes in interhemispheric EEG coherence in ferrets. 1999. Kiper, D.C.; Knyazeva, M.G.; Tettoni, L.; Innocenti, G.M. *Journal of Neurophysiology*, 1999, v. 82 (6), p. 3082-3094. ISSN: 0022-3077.

Descriptors: corpus callosum, visual cortex, visual stimuli, EEG, ferret.

Calcium-activated potassium conductances in retinal ganglion cells of the ferret. 1998. Wang, Guo Yong; Robinson, D.W.; Chalupa, L.M. *Journal of Neurophysiology*, 1998, v. 79 (2), p. 151-158. ISSN: 0022-3077.

Descriptors: retina, ganglion cells, potassium conductance, ferret.

Calcium-binding proteins and GABA reveal spatial segregation of cell types within the developing lateral superior olfactory nucleus of the ferret. 1998. Henkel, C.K.; Brunso-Bechtold, J.K. *Microsc Res Tech*, 1998, v. 41 (3), p. 234-245. ISSN: 1059-910X.

Descriptors: calcium binding protein, neurogenesis, ferret, superior olfactory nucleus.

Cell death in the sexually dimorphic dorsal preoptic area/anterior hypothalamus of perinatal male and female ferrets. 1998. Park, J.J.; Tobet, S.A.; Baum, M.J. *Journal of Neurobiology*, 1998, v. 34 (3), p. 242-252. ISSN: 0022-3034.

Descriptors: sexual dimorphism, preoptic area, hypothalamus, cell death, development.

Neuropeptide immunoreactivity in ligature-induced neuromas of the inferior alveolar nerve in the ferret. 1998. Long, A.; Bongenhielm, U.; Boissonade, F.M.; Fried, K.; Robinson, P.P. *Brain Research*, 1998, v. 791 (1-2), p. 263-270. ISSN: 0006-8993.

Descriptors: neuropeptides, neuromas, ferret, neurochemistry, cellular biology.

Organization of the forepaw representation in ferret somatosensory cortex. 1998. McLaughlin, D.F.; Sonty, R.V.; Juliano, S.L. *Somatosensory and Motor Research*, 1998, v. 15 (4), p. 253-268. ISSN: 0899-0220.

Descriptors: ferret, cortex, somatosensory.

Postnatal development of brainstem cholinergic inputs to the dorsal lateral geniculate nucleus of the domesticated ferret (*Mustela putorius furo*). 1998. Hitz, Sherri Lynn, 1970. *MCM Brain Cog Sci*, 1998-M.S. Thesis (S.M.) Massachusetts Institute of Technology, Dept. Of Brain and Cognitive Sciences, 1998. ref. p. 45-56.

Presence of putative neurotransmitters in the myenteric plexus of the gastrointestinal tract and in the musculature of the urinary bladder of the ferret. 1998. Sann, Hoppe; Baldwin, L.; Grundy, D.; Schemann, M. *Neurogastroenterology and Motility*, 1998, v. 10

(1), p. 35-47. ISSN: 1350-1925.

Descriptors: bladder metabolism, stomach innervation, smooth muscle metabolism.

Relationship between dye coupling and spontaneous activity in developing ferret visual cortex. 1998. Kandler, K.; Katz, L.C. *Developmental Neuroscience*, 1998, v. 20 (1), p. 59-64. ISSN: 0378-5866.

Descriptors: visual cortex, development, synaptogenesis, gap junctions, ferret.

Topographic specificity in the retinocollicular projection of the developing ferret: An anterograde tracing study. 1998. Chalupa, L.M.; Snider, C.J. *Journal of Comparative Neurology*, 1998, v. 392 (1), p. 35-47. ISSN: 0021-9967.

Descriptors: retina, superior colliculus, development, ferret.

Callosal connections of the ferret primary auditory cortex. 1997. Wallace, M.N.; Harper, M.S. *Experimental Brain Research*, Sept. 1997, v. 116 (2), p. 367-374. ISSN: 0014-4819.

Descriptors: auditory cortex, brain, corpus callosum, ferret physiology.

Coding for auditory space in the nucleus of the brachium of the inferior colliculus in the ferret. 1997. Schnupp, J.W.; King, A.J. *Journal of Neurophysiology*, Nov. 1997, v. 78 (5), p. 2717-2731. ISSN: 0022-3077.

Descriptors: brain mapping, brain stem physiology, auditory perception physiology.

Histamine H1 receptor activation blocks two classes of potassium current, IK(rest) and IAHP, to excite ferret vagal afferents. 1997. Jafri, M.S.; Moore, K.A.; Taylor, G.E.; Weinrich, D. *The Journal of Physiology*, Sept. 15, 1997, v. 503 (Pt.3), p. 533-546. ISSN: 0022-3751.

Descriptors: histamine agonists, potassium metabolism, vagus nerve physiology.

Histogenesis of ferret somatosensory cortex. 1997. Noctor, S.C.; Scholnicoff, N.J.; Juliano, S.L. *Journal of Comparative Neurology*, 1997, v. 387 (2), p. 179-193. ISSN: 0021-9967.

Descriptors: cortex somatosensory, development, ferret.

Modulation of spindle oscillations by acetylcholine, choleystokinin and 1S, 3R-ACPD in the ferret lateral geniculate and perigeniculate nuclei in vitro. 1997. Lee, K.H.; McCormick, D.A. *Neuroscience*, 1997, v. 77 (2), p. 335-350. ISSN: 0306-4522.

Descriptors: sleep, wakefulness, acetylcholine, lateral geniculate nucleus, ferret.

Optically imaged maps of orientation preference in primary visual cortex of cats and ferrets. 1997. Rao, S.C.; Toth, L.J.; Sur, M. *Journal of Comparative Neurology*, Oct. 27, 1997, v. 387 (3), p. 358-370. ISSN: 0021-9967.

Descriptors: brain mapping, physiology, visual cortex anatomy, cat, ferret.

Sex difference and steroid stimulation of galanin immunoreactivity in the ferret's dorsal preoptic area/anterior hypothalamus. 1997. Park, J.J.; Baum, M.J.; Tobet, S.A. *The Journal of Comparative Neurology*, Dec. 15, 1997, v. 389 (2), p. 277-288. ISSN: 0021-9967.

Descriptors: ferrets physiology, hypothalamus, preoptic area physiology.

- Development of local connections in ferret somatosensory cortex.** 1996. Juliano, S.L.; Palmer, S.L.; Sonty, R.V.; Noctor, S.; Hill II, G.F. *Journal of Comparative Neurology*, 1996, v. 374 (2), p. 259-277. ISSN: 0021-9967.
Descriptors: somatosensory cortex, neurogenesis, ferret.
- Estrogenic control of preoptic area development in a carnivore, the ferret.** 1996. Baum, M.J.; Tobet, S.A.; Cherry, J.A.; Paredes, R.G. *Cellular and Molecular Neurobiology*, 1996, v. 16 (2), p. 117-128. ISSN: 0272-4340.
Descriptors: preoptic area, hypothalamus, sexual dimorphism, estradiol, ferret.
- Maturational gradients in the retina of the ferret.** 1996. Reese, B.E.; Johnson, P.T.; Baker, G.E. *Journal of Comparative Neurology*, 1996, v. 375 (2), p. 252-273. ISSN: 0021-9967.
Descriptors: retina, neurogenesis, synaptogenesis, ferret.
- Neurochemical characterization of intrinsic neurons in ferret tracheal plexus.** 1996. Dey, R.D.; Altemus, J.B.; Rodd, A.; Mayer, B.; Said, S.I.; Coburn, R.F. *American Journal of Respiratory Cell and Molecular Biology*, Mar. 1996, v. 14 (3), p. 207-216. ISSN: 1044-1549.
Descriptors: ferrets, ganglia, smooth muscle innervation, neurons enzymology.
- Neurological diseases of ferrets and rabbits.** 1996. Quesenberry, K. *North American Veterinary Conference*, 1996, v. 10, p. 873-874.
NAL call no: SF605.N672
Descriptors: nervous system diseases, ferrets, rabbits.
- Organization of retinal ganglion cell axons in the optic fiber layer and nerve of fetal ferrets.** 1996. Fitzgibbon, T.; Reese, B.E. *Visual Neuroscience*, Sept./Oct. 1996, v. 13 (5), p. 847-861.
Descriptors: axons physiology, optic nerve embryology, optic nerve physiology.
- A preliminary study of sleep in the ferret, *Mustela putorius furo*: A carnivore with an extremely high proportion of REM sleep.** 1996. Marks, G.A.; Shaffery, J.P. *Sleep*, 1996, v. 19 (2), p. 83-93. ISSN: 0161-8105.
Descriptors: sleep, sleep REM, EEG, ferret.
- The role of activity in the development of long-range horizontal connections in area 17 of the ferret.** 1996. Ruthazer, E.S.; Stryker, M.P. *Journal of Neuroscience*, Nov. 15, 1996, v. 16 (22), p. 7253-7269. ISSN: 0270-6474.
Descriptors: brain mapping, visual cortex cytology, neurons physiology.
- Spontaneous and mechanically evoked afferent activity originating from myelinated fibres in ferret inferior alveolar nerve neuromas.** 1996. Bongenhielm, U.; Robinson, P.P. *Pain*, Oct. 1996, v. 67 (2-3), p. 399-406. ISSN: 0304-3959.
Descriptors: mandibular nerve injuries, nerve fibers, neuroma, ferrets.
- Changes in density of brain stem afferents in ferret primary auditory cortex (AI) during postnatal development.** 1995. Harper, M.S.; Wallace, M.N. *Journal of Anatomy*, Apr.

1995, v. 186 (Pt. 2), p. 373-382. ISSN: 0021-8782.

Descriptors: auditory cortex growth and development, brain stem growth and development, ferret anatomy and histology.

Effect of a very early monocular enucleation upon the development of the uncrossed retinofugal pathway in ferrets. 1995. Taylor, J.S.H.; Guillory, R.W. *Journal of Comparative Neurology*, 1995, v. 357 (2), p. 331-340. ISSN: 0021-9967.

Descriptors: nononuclear, enucleation, development, retinofugal tract, ferret.

Emergence of functional circuits in ferret visual cortex visualized by optical imaging. 1996.

Nelson, D.A.; Katz, L.C. *Neuron*, Jul. 1995, v. 15 (1), p. 23-34. ISSN: 0896-6273.

Descriptors: ferrets physiology, image processing, visual cortex physiology.

The central connections of the vagus nerve in the ferret. 1994. Knox, A.P.; Strominger, N.L.; Battles, A.H.; Carpenter, D.O. *Brain Research Bulletin*, 1994, v. 33 (1), p. 49-63. ISSN: 0361-9230.

Descriptors: vagus nerve, central nervous system, connections, ferret.

The connectivity of the area postrema in the ferret. 1994. Strominger, N.L.; Knox, A.P.;

Carpenter, D.O. *Brain Research Bulletin*, 1994, v. 33 (1), p. 33-47. ISSN: 0361-9230.

Descriptors: area postrema, connections, brain, regions, nuclei, ferret.

Development of muscarinic acetylcholine receptors in the ferret retina. 1994. Hutchins, J.B.

Developmental Brain Research, 1994, v. 82 (1-2), p. 45-61. ISSN: 0165-3806.

Descriptors: acetylcholine receptors, muscarinic, development, retina, ferret.

Functional mapping of horizontal connections in developing ferret visual cortex:

Experiments and modeling. 1994. Weliky, M.; Katz, L.C. *Journal of Neuroscience*, 1994, v. 14 (12), p. 7291-7305. ISSN: 0270-6474.

Descriptors: visual cortex, connections, horizontal, development, ferret.

Auditory brainstem responses in ferrets following unilateral cochlear removal. 1993.

Moore, D.R. *Hearing Research*, Jun. 1993, v. 68 (1), p. 28-34. ISSN: 0378-5955.

Descriptors: cochlea surgery, acoustic stimulation, brain stem physiology.

An autoradiographic study of the distribution of the vagus nerve in the wall of the ferret stomach. 1993. Al Muhtaseb, M.H. *Clinical Anatomy*, 1993, v. 6 (1), p. 15-25. ISSN: 0897-3806.

Descriptors: vagus nerve, innervation, distribution, stomach, ferret.

Bilateral control of the orbicularis oculi muscle by one cerebellar hemisphere in the ferret.

1993. Ivarsson, M.; Hesslow, G. *Neuroreport*, 1993, v. 4 (9), p. 1127-1130. ISSN: 0959-4965.

Descriptors: cerebellum, bilateral, control, ferret, eyeblink.

The central localization of the vagus nerve in the ferret (*Mustela putorius furo*) and the mink (*Mustela vison*). 1993. Ranson, R.N.; Butler, P.J.; Taylor, E.W. *Journal of the Autonomic Nervous System*, 1993, v. 43 (2), p. 123-138. ISSN: 0165-1838.
Descriptors: vagus nerve, preganglionic, neurons, localization, ferret.

Chiasmatic course of temporal retinal axons in the developing ferret. 1993. Baker, G.E.; Reese, B.E. *Journal of Comparative Neurology*, Apr. 1, 1993, v. 330 (1), p. 95-104. ill. ISSN: 0021-9967.
Descriptors: brain, eye, embryo development, ferret, temporal retinal axons.

Laterality of superior olive projections to the inferior colliculus in adult and developing ferret. 1993. Henkel, C.K.; Brunso-Bechtold, J.K. *Journal of Comparative Neurology*, May 22, 1993, v. 331 (4), p. 458-468. ill. ISSN: 0021-9967.
Descriptors: brain, ferret, lateral superior olfactory nucleus.

Sequential differentiation of sensory innervation in the mystacial pad of the ferret. 1993. Mosconi, T.M.; Rice, F.L. *Journal of Comparative Neurology*, Jul. 15, 1993, v. 333 (3), p. 309-325. ill. ISSN: 0021-9967.
Descriptors: snout, nerves, mechanoreception, tactile receptors, ferret.

Visual projections routed to the auditory pathway in ferrets: Receptive fields of visual neurons in primary auditory cortex. 1992. Roe, A.W.; Pallas, S.L.; Kwon, Y.H.; Sur, M. *Journal of Neuroscience*, 1992, v. 12 (9), p. 3651-3664. ISSN: 0270-6474.
Descriptors: auditory cortex, receptive field, neurons, ferrets.

Ultrastructure of the leptomeninx of the fetal ferret spinal cord and cerebrum. 1990. Sturrock, R.R. *Anatomischer Anzeiger*, 1990, v. 171 (5), p. 307-312. ill. ISSN: 0003-2786.
Descriptors: brain, cerebrum ultrastructure, spinal cord, foetus, ferret.

The forebrain of the ferret. 1985. Lockard, B.I. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 216-228. ill. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ferret, brain, animal anatomy.

Neurological syndrome in the ferret (*Mustela putorius furo*). 1984. Niemi, S.M.; Newcomer, C.E.; Fox, J.G. *Veterinary Record*, May 5, 1984, v. 114 (18), p. 455-456. ref. ISSN: 0042-4900.
NAL call no: 41.8 V641
Descriptors: neurological syndrome, ferret.

PARASITES

Establishment of the cat flea (*Ctenocephalides felis felis*) on the ferret (*Mustela putorius furo*) and its control with imidacloprid. 2001. Hutchinson, M.J.; Jacobs, D.E.; Mendke, N. *Medical and Veterinary Entomology*, Jun. 2001, v. 15 (2), p. 212-214. ISSN: 0269-283X.

NAL call no: RA639.M44

Descriptors: pest assessment, control, management, pesticides.

Treating ectoparasites in rabbits and ferrets. 2001. Rosenthal, K.L. *Veterinary Practice News*, 2001, v. 13 (3), p. 42-43. ISSN: 1528-6398.

Descriptors: drug therapy, ectoparasites, treatment, ectoparasiticides.

Biliary coccidiosis in a ferret (*Mustela putorius furo*). 1996. Williams, B.H.; Chimes, M.J.; Gardiner, C.H. *Veterinary Pathology*, Jul. 1996, v. 33 (4), p. 437-439. ref. ISSN: 0300-9858.

NAL call no: 41.8 P27

Descriptors: ferrets, coccidiosis, eimeria, bile ducts, gall bladder.

Coinfection with intracellular Desulfovibrio species and coccidia in ferrets with proliferative bowel disease. 1996. Li, X.; Pang, J.; Fox, J.G. *Laboratory Animal Science*, Oct. 1996, v. 46 (5), p. 569-571. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: Coccidiosis complications, colitis microbiology, colon pathology.

Demodicosis in ferrets (*Mustela putorius furo*). 1996. Noli, C.; Horst, H.H.A. van der; Willemse, T.; Van der Horst, H.H.A. *Veterinary Quarterly*, Mar. 1996, v. 18 (1), p. 28-31. ref. ISSN: 0165-2176.

Descriptors: treatment, alopecia, pruritus, diagnosis, ectoparasites, chemical control.

Ectoparasites of ferrets and rabbits. 1996. Morrisey, J.K. *Exotic Pet Practice*, 1996, v. 1 (10), p. 1-2. ref.

Descriptors: ectoparasites, rabbits, ferrets, diseases.

Flea control in ferrets. 1996. Oxenham, M. *Veterinary Record*, 1996, v. 138 (15), p. 372. ISSN: 0042-4900.

NAL call no: 41.8 V641

Descriptors: ectoparasites, insecticides, drug therapy, diazinon , control.

Filaroides infections in wild ferrets (*Mustela putorius furo*) and stoats (*Mustela erminea*).

1996. McKenna, P.B.; Cooke, M.M.; Harper, P.R. *New Zealand Veterinary Journal*, 1996, v. 44 (5), p. 203. ref. ISSN: 0048-0169.

Descriptors: infections, parasites, helminths, wild ferrets, stoats.

Neural integration of jejunal motility and ion transport in nematode-infected ferrets. 1996.

Greenwood, B.; Palmer, J.M. *American Journal of Physiology*, Jul. 1996, v. 271 (1 Pt. 1), p. G48-G55. ref. ISSN: 0002-9513.

NAL call no: 447.8 Am3

Descriptors: ferrets, nematode infection, jejunal motility.

Fatal cryptosporidiosis in ferrets (*Mustela putorius furo*): A morphopathologic study. 1995.

Gomez, Villamandos J.C.; Carrasco, L.; Mozos, E.; Hervas, J. *Journal of Zoo and Wildlife Medicine*, 1995, v. 26 (4), p. 539-544. ref. ISSN: 1042-7260.

Descriptors: animal diseases, cryptosporidiosis, faeces, oocysts, histopathology.

- Radiographic and angiographic evaluations of ferrets experimentally infected with Dirofilaria immitis.** 1995. Supakorndej, P.; Lewis, R.E.; McCall, J.W.; Dzimianski, M.T.; Holmes, R.A. *Veterinary Radiology and Ultrasound*, Jan./Feb. 1995, v. 36 (1), p. 23-29. ref. ISSN: 1058-8183.
NAL call no: SF757.8.A4
Descriptors: ferrets, dirofilaria immitis, experimental infection, heart, lungs.
- Early migration and development of Dirofilaria immitis in the ferret, Mustela putorius furo.** 1994. Supakorndej, P.; McCall, J.W.; Jun, J. *Journal of Parasitology*, Apr. 1994, v. 80 (2), p. 237-244. ref. ISSN: 0022-3395.
NAL call no: 448.8 J824
Descriptors: ferrets, parasite migration, biological development, developmental stages.
- Intracellular Campylobacter-like organism from ferrets and hamsters with proliferative bowel disease is a Desulfovibrio sp.** 1994. Fox, J.G.; Dewhirst, F.E.; Fraser, G.J.; Paster, B.J.; Shames, B.; Murphy, J.C. *Journal of Clinical Microbiology*, 1994, v. 32 (5), p. 1229-1237. ref. ISSN: 0095-1137.
NAL call no: QR46.J6
Descriptors: bacterial diseases, diagnosis, pathogenesis, ribosomal RNA.
- Parasites of domesticated pet ferrets.** 1994. Bell, J.A. *The Compendium on Continuing Education for the Practicing Veterinarian*, May, 1994, v. 16 (5), p. 617-622. ref. ISSN: 0193-1903.
NAL call no: SF601.C66
Descriptors: ferrets, parasitoses, ectoparasites, drug therapy, anthelmintics.
- Resistance and diseases in Brugia malayi infection of ferrets following prior infection, injection of attenuated infective larvae and injections of larval extracts.** 1994. Crandall, R.; Crandall, C.; Nayar, J.; Doyle, T. *Parasite Immunology*, 1994, v. 16 (8), p. 425-433. ref. ISSN: 0141-9838.
Descriptors: experimental infections, immunization, live vaccines, parasites.
- Enteric coccidiosis in a ferret.** 1993. Blankenship, Paris T.L.; Chang, J.; Bagnell, C.R. *Laboratory Animal Science*, 1993, v. 43 (4), p. 361-363. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: laboratory animals, pathology, parasites.
- Biology, diagnosis, and prevention of heartworm infection in ferrets.** 1992. Supakorndej, P.; McCall, J.W.; Lewis, R.E.; Rowan, S.J.; Mansour, A.E.; Holmes, R.A. *Proceedings of the Heartworm Symposium, 92*, Austin, TX. Mar. 27-29, 1992/ Heartworm Symposium, Batavia, IL, 1992, p. 59-69. ref. ISBN: 1878353292.
NAL call no: SF986.H4H43 1992
Descriptors: dirofilaria immitis, host, polecats, diagnosis, prevention.
- MR lymphography with iron oxide compound AMI-227: Studies in ferrets with filariasis.** 1992. Tanoura, T.; Bernas, M.; Darkazanli, A.; Elam, E.; Unger, E.; Witte, M.H.; Green, A. *American Journal of Roentgenology*, 1992, v. 159 (4), p. 875-881. ref. ISSN: 0361-803X.
Descriptors: lymph nodes. radiography, disease models, filariasis, parasites.

Spinal dracunculiasis in an experimentally infected ferret. 1991. Broderson, J.R.; Eberhard, M.L.; Welch, B.G.; Bandt, F.H. *Laboratory Animal Science*, Apr. 1991, v. 41 (2), p. 180-182. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ferrets, dracunculus insignis, disease models, spinal cord.

Parasitic Diseases. 1988. Fox, J.G. *Biology and Disease of the Ferret*, James G. Fox, (ed.) 1988, Lea & Febiger, Philadelphia. P. 235-247. ill. ref. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: ferrets, parasitoses, protozoal infections, helminths, diagnosis, treatment.

Pedal Sarcoptes scabiei infestation in ferrets (*Mustela putorius furo*). 1987. Phillips, P.H.; O'Callaghan, M.G.; Moore, E.; Baird, R.M. *Australian Veterinary Journal*, Sept. 1987, v. 64 (9), p. 289-290. ill. ref. ISSN: 0005-0423.
NAL call no: 41.8 AU72
Descriptors: ferrets, sarcoptes scabiei, feet, alopecia, treatment.

RENAL / URINARY

Traumatic rupture of the ureter: 10 cases. 2002. Eisse, Chick; Aronson, Lillian R.; Drobatz, Ken. *Journal of the American Animal Hospital Association*, Mar./Apr. 2002, v. 38 (2), p. 188-192. ISSN: 0587-2871.
NAL call no: SF601.A5
Descriptors: injuries, surgery, diagnosis, radiography, epidemiology, ferrets.

Characterization of beta-adrenoceptor subtypes in the ferret urinary bladder in vitro and in vivo. 2000. Takeda, Hiroo; Igawa, Yasuhiko; Komatsu, Yoshimitsu; Yamazaki, Yoshinobu; Akahane, Masuo; Nishizawa, Osamu; Ajisawa, Yukiyoshi. *European Journal of Pharmacology*, Sept. 2000, v. 403 (1-2), p. 147-155. ISSN: 0014-2999.
Descriptors: urinary system, urinary bladder, in vitro studies, in vivo studies.

A ferret with an enlarged bladder. 2000. *Veterinary Medicine*, Apr. 2000, v. 95 (4), p. 282.
ISSN: 8750-7943.
NAL call no: 41.8 M69
Descriptors: ferrets, bladder size, adrenal gland diseases, symptoms, diagnosis.

Bilateral perinephric psuedocysts and polycystic kidneys in a ferret. 1998. Puerto, D.A.; Walker, L.M.; Saunders, H.M. *Veterinary Radiology and Ultrasound*, Jul./Aug. 1998, v. 39 (4), p. 309-312. ref. ISSN: 1058-8183.
NAL call no: SF757.8.A4
Descriptors: ferrets, kidney diseases, urine analysis, biopsy, diagnosis, radiography.

The NK1 antagonist GR203040 inhibits cyclophosphamide-induced damage in the rat and ferret bladder. 1997. Alfieri, A.; Gardner, C. *General Pharmacology*, Aug. 1997, v. 29 (2), p. 245-250. ISSN: 0306-3623.
Descriptors: bladder drug effects, antagonists, inhibitors, receptors, bladder anatomy.

Cystic urogenital anomalies in ferrets (*Mustela putorius furo*). 1996. Li, X.; Fox, J.G.; Erdman, S.E.; Lipman, N.S.; Murphy, J.C. *Veterinary Pathology*, Mar. 1996, v. 33 (2), p. 150-159. ref. ISSN: 0300-9858.
NAL call no: 41.8 P27
Descriptors: ferrets, bladder, abnormalities, cysts, symptoms, histopathology.

Stranguria in a castrated male ferret. 1996. Rosenthal, K.L.; Peterson, M.E. *Journal of the American Veterinary Medical Association*, 1996, v. 209 (1), p. 62-64. ref. ISSN: 0003-1488.
NAL call no: 41.8 AM3
Descriptors: diagnosis, surgery, neoplasms, adenoma, urination disorders.

Treatment of cystine bladder urolith in a ferret (*Mustela putorius furo*). 1996. Dutton, M.A. *Exotic Pet Practice*, 1996, v. 1 (8), p. 7. ref.
Descriptors: bladder calcili, urolithiasis, bladder diseases, surgery, diagnosis.

Evaluation of urinary cortisol-creatinine ratios for the diagnosis of hyperadrenocorticism associated with adrenal gland tumors in ferrets. 1995. Gould, W.J.; Reimers, T.J.; Bell, J.A.; Lawrence, H.J.; Randolph, J.F.; Rowland, P.H.; Scarlett, J.M. *Journal of the American Veterinary Medical Association*, Jan. 1, 1995, v. 206 (1), p. 42-46. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: ferrets, adrenal glands, neoplasms, cushing's syndrom, hydrocortisone.

Estimation of glomerular filtration rate and evaluation of renal function in ferrets (*Mustela putorius furo*). 1994. Esteves, M.I.; Marini, R.P.; Ryden, E.B.; Murphy, J.C.; Fox, J.G. *American Journal of Veterinary Research*, Jan. 1994, v. 55 (1), p. 166-172. ref. ISSN: 0002-9645.
NAL call no: 41.8 Am3A
Descriptors: ferrets, glomerular filtration rate, renal function estimation, methodology.

A technique for catheterization of the urinary bladder in the ferret. 1994. Marini, R.P.; Esteves, M.I.; Fox, J.G. *Laboratory Animals*, Apr. 1994, v. 28 (2), p. 155-157. ref. ISSN: 0023-6772.
NAL call no: QL55.A1L3
Descriptors: ferrets, bladder, catheterization.

REPRODUCTIVE

Sexually dimorphic activation of galanin neurones in the ferret's dorsomedial preoptic area/anterior hypothalamus after mating. 2002. Bakker, J.; Woodley, S.K.; Kelliher, K.R.; Baum, M.J. *Journal of Neuroendocrinology*, Feb. 2002, v. 14 (2), p. 116-125. ref. ISSN: 0953-8194.
Descriptors: ferrets, estrous cycle, amygdala cytology, neurons cytology, odors.

In vitro maturation of ferret oocytes. 2001. Li, Z.; Jiang, Q.; Zhang, Y.; Engelhardt, J. *Therigenology*, Jan. 1, 2001, v. 55 (1), p. 482. ref. ISSN: 0093-691X.

NAL call no: QP251.A1T5

Descriptors: cell biology, oocyte, in vitro maturation, reproductive system.

Maternal odors induce Fos in the main but not the accessory olfactory bulbs of neonatal male and female ferrets. 2001. Chang, Y.M.; Kelliher, K.R.; Baum, M.J. *Journal of Neuroendocrinology*, Jun. 2001, v. 13 (6), p. 551-560. ISSN: 0953-8194.
Descriptors: accessory olfactory bulb, forebrain, testosterone, nervous system.

Mating induces gonadotropin-releasing hormone neuronal activation in anosmic female ferrets. 2001. Bakker, J.; Kelliher, K.R.; Baum, M.J. *Biology of Reproduction*, Apr. 2001, v. 64 (4), p. 1100-1105. ref. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: female animals, mating, neurons, ovulation, pheromones.

Nares occlusion eliminates heterosexual partner selection without disrupting coitus in ferrets of both sexes. 2001. Kelliher, Kevin R.; Baum, Michael J. *Journal of Neuroscience*, Aug. 1, 2001, v. 21 (15), p. 5832-5840. ISSN: 0270-6474.
Descriptors: behavior, sense organs, nares occlusion, odors.

The role of glucose-6-phosphate isomerase in embryo implantation in the ferret (M. PutoriusP). 2001. Clamon, Laura A.; Bahr, Janice M. *Biology of Reproduction*, 2001, v. 64 (Suppl. 1), p. 205-206. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: reproductive system, glucose-6-phosphate isomerase, endocrine system.

Sexual differentiation of mating partner preferences in a carnivore, the ferret: The role of olfaction. 2001. Baum, M.J. *Journal of Physiology*, Mar. 2001, 531P: p. 138. ISSN: 0022-3751.

Descriptors: mating partner preferences, sexual differentiation, olfaction, ferret.

Effect of gonadal steroids on pituitary LH secretion and mediobasal hypothalamic GnRH mRNA in ferrets. 2000. Bakker, J.; Baum, M.J. *Journal of Reproduction and Fertility*, 2000, v. 119 (2), p. 315-321. ref. ISSN: 0022-4251.

NAL call no: 442.8 J8222

Descriptors: genetics, breeding, reproduction, embryology, surgery.

Hyperoestrogenism in ferrets. 2000. Hauptman, K.; Knotek, Z.; Kohout, P. *Veterinarstvi*, 2000, v. 50 (1), p. 3-5. ref. ISSN: 0506-8231.

Language: Czech.

Descriptors: endocrine diseases, diagnosis, treatment, prognosis.

Mating-induced activation of GnRH neurons in the female ferret's mediobasal hypothalamus relies on genital-somatosensory as opposes to olfactory inputs. 2000. Bakker, J.; Kelliher, K.R.; Baum, M.J. *Society for Neuroscience Abstracts*, 2000, v. 26 (1-2), Abstract no. 77.32. ISSN: 0190-5295.
Descriptors: endocrine system, GnRH neurons, activation, nervous system.

Olfactory cues are necessary for heterosexual partner selection but not for consummatory aspects of sexual behavior in ferrets of both sexes. 2000. Kelliher, K.R.; Baum, M.J.

Society for Neuroscience Abstracts, 2000, v. 26 (1-2), Abstract no. 77.31. ISSN: 0190-5295.

Descriptors: sexual behavior, heterosexual partner selection, physiology.

Steroidal modulation of scent investigation and marking behaviors in male and female ferrets (*Mustela putorius furo*). 2000. Chang, Yu Ming; Kelliher, Kevin R.; Baum, Michael J. *Journal of Comparative Psychology*, Dec. 2000, v. 114 (4), p. 401-407. ISSN: 0735-7036.

Descriptors: behavior, endocrine system, sensory reception, ferrets.

Successful embryo transfer in the ferret. 2000. Li, Z.; Jiang, Q.; Zhang, Y.; Engelhardt, J.F. *Theriogenology*, Jan. 1, 2000, v. 53 (1), p. 311. ISSN: 0093-691X.

NAL call no: QP251.A1T5

Descriptors: embryo transfer, assisted reproduction method, efficiency.

Changes in mediobasal hypothalamic gonadotropin-releasing hormone messenger ribonucleic acid levels induced by mating or ovariectomy in a reflex ovulator, the ferret. 1999. Bakker, J.; Rubin, B.S.; Baum, M.J. *Endocrinology*, 1999, v. 140 (2), p. 595-602. ref.

Descriptors: animal reproduction, development, physiology, biochemistry.

Intracerebroventricular infusion of the galanin antagonist M40 attenuates heterosexual partner preference in ferrets. 1999. Park, J.J.; Baum, M.J. *Behavioral Neuroscience*, 1999, v. 113 (2), p. 391-400. ISSN: 0735-7044.

NAL call no: QP351.B45

Descriptors: intracereboventricular administration, mate selection, sexual behavior.

Nonsurgical collection and nonsurgical transfer of preimplantation embryos in the domestic rabbit (*Oryctolagus cuniculus*) and domestic ferret (*Mustela putorius furo*). 1999. Kidder, J.D.; Roberts, P.J.; Simkin, M.E.; Foote, R.H.; Richmond, M.E. *Journal of Reproduction and Fertility*, 1999, v. 116 (2), p. 235-242. ref. ISSN: 0022-4251.

NAL call no: 442.8 J8222

Descriptors: embryos, catheters, cervix, embryo transfer, recipients, biotechnology.

Pregnancy toxemia in the European ferret (*Mustela putorius furo*). 1999. Batchelder, M.A.; Bell, J.A.; Erdman, S.E.; Marini, R.P.; Murphy, J.C.; Fox, J.G. *Laboratory Animal Science*, 1999, v. 49 (4), p. 372-379. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: toxemia, anaemia, pregnancy, hypocalcaemia, stress.

Sex difference and testosterone modulation of scent investigation and scent marking behaviors in the ferret. 1999. Chang, Y.M.; Kalliher, K.R.; Baum, M.J. *Society for Neuroscience Abstracts*, 1999, v. 25 (1-2), p. 71. ISSN: 0190-5295.

Descriptors: scent marking behavior, reproductive system, endocrine system.

Molecular cloning of the bile salt-dependent lipase of ferret lactating mammary gland: An overview of functional residues. 1998. Sbarra, V.; Bruneau, N.; Mas, E.; Hamosh, M.; Lombardo, D.; Hamosh, P. *Biochimica et Biophysica Acta, Lipids and Lipid Metabolism*, 1998, v. 1393 (1), p. 80-89. ref. ISSN: 0005-2760.
Descriptors: mammary glands, amino acids, cloning, milks, lipase.

Sex difference and testosterone modulation of pheromone-induced neuronal Fos in the ferret's main olfactory bulb and hypothalamus. 1998. Kelliher, K.H.; Chang, Y.M.; Wersinger, S.H.; Baum, M.J. *Biology of Reproduction*, v. 59 (6), p. 1454-1463. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: vomeronasal organ, Fos protein, hypothalamus, olfactory bulb.

Transcervical artificial insemination in the domestic ferret (*Mustela putorius furo*). 1998. Kidder, J.D.; Foote, R.H.; Richmond, M.E. *Zoo Biology*, 1998, v. 17 (5), p. 393-404. ref. ISSN: 0733-3188.
NAL call no: QL77.5.Z6
Descriptors: ferrets, artificial insemination, endoscopes, catheters, pregnancy rate.

Brain region-specific regulation of luteinizing hormone-releasing hormone messenger ribonucleic acid in the male ferret: Interactions between pubertal maturation and testosterone. 1997. Tang, Y.P.; Kashon, M.L.; Sisk, C.L. *Endocrinology*, 1997, v. 138 (11), p. 4740-4747. ref. ISSN: 0013-7227.
Descriptors: RNE, brain, regulation, interactions, maturation, testosterone.

Sex difference and steroid stimulation of galanin immunoreactivity in the ferret's dorsal preoptic area/anterior hypothalamus. 1997. Park, J.J.; Baum, M.J.; Tobet, S.A. *Journal of Comparative Neurology*, 1997, v. 389 (2), p. 277-288. ISSN: 0021-9967.
Descriptors: galanin, dorsal preoptic area, hypothalamus-anterior, ferret.

Sexually dimorphic activation of midbrain tyrosine hydroxylase neurons after mating or exposure to chemosensory cues in the ferret. 1997. Wersinger, S.R.; Baum, M.J. *Biology of Reproduction*, 1997, v. 56 (6), p. 1407-1414. ref. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: mating, pheromones, brain, neurons, sex differences, ferret.

Sexually dimorphic processing of somatosensory and chemosensory inputs to forebrain luteinizing hormone-releasing hormone neurons in mated ferrets. 1997. Wersinger, S.R.; Baum, M.J. *Endocrinology*, 1997, v. 138 (3), p. 1121-1129. ref. ISSN: 0013-7227.
Descriptors: processing, mating, gonadotropins, release, LHRH, brain.

Evaluation of plasma androgen and estrogen concentrations in ferrets with hyperadrenocorticism. 1996. Rosenthal, K.L.; Peterson, M.E. *Journal of the American Veterinary Medical Association*, Sept. 15, 1996, v. 209 (6), p. 1097-1102. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: ferrets, cushing's syndrom, estradiol, testosterone, progesterone.

Signs of oestrus in spayed female ferrets. 1996. Englund, P. *Svensk Veterinartidning*, 1996, v. 48 (1), p. 13-18. ref.
Language: Swedish.
Descriptors: female animals, behavior, oestrogens, alopecia, ovariectomy.

Stump pyometra in a female ferret. 1996. Fisher, P.G. *Exotic Pet Practice*, 1996, v. 1 (10), p.7.
Descriptors: pyometra, case reports, ferret.

Estrogen receptor immunoreactivity in ferret brain is regulated by estradiol in a region-specific manner. 1997. Sisk, C.L.; DonCarlos, L.L. *Brain Research*, Aug. 1995, v. 688 (1-2), p. 198-202. ISSN: 0006-8993.
Descriptors: brain drug effects, brain metabolism, receptors, estradiol pharmacology.

Oestrus control in the pet ferret. 1995. Sutton, D. *Veterinary Times*, 1995, v. 25 (5), p. 28. ref.
ISSN: 0379-6215.
Descriptors: pets, reproductive physiology, sex hormones, oestrus.

Patterns of melatonin secretion during sexual maturation in female ferrets. 1995. Ryan, K.D.; Volk, E.A. *Biology of Reproduction*, 1995, v. 53 (6), p. 1251-1258. ref. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: blood, photoperiod, maturity, melatonin, synthesis, age

Regulation of brain androgen receptor immunoreactivity by androgen in prepubertal male ferrets. 1995. Kashon, M.I.; Hayes, M.J.; Shek, P.P.; Sisk, C.L. *Biology of Reproduction*, 1995, v. 52 (5), p. 1198-1205. ref. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: regulation, brain, androgens, effects, receptors.

Seasonal fibre growth cycles of ferrets (*Mustela putorius furo*) and long-term effects of melatonin treatment. 1995. Nixon, A.J.; Ashby, M.G.; Saywell, D.P.; Pearson, A.J. *Journal of Experimental Biology*, 1995, v. 272 (6), p. 435-445. ref. ISSN: 0022-104X.
Descriptors: growth, effects, melatonin, hair, treatment, oestrus cycle.

Differential effects of the serotonin sub (1A) agonist, 8-OH-DPAT, on masculine and feminine sexual behavior of the ferret. 1994. Paredes, R.G.; Kica, E.; Baum, M.J. *Psychopharmacology*, 1994, v. 114 (4), p. 591-596. ISSN: 0033-3158.
Descriptors: serotonin S1A receptors, 8-OH_DPAT, sexual behavior, lordosis.

Differential photoperiodic control of seasonal variations in pulsatile luteinizing hormone release in long-day (ferret) and short-day (mink) mammals. 1994. Jallageas, M.; Boissin, J.; Mas, N. *Journal of Biological Rhythms*, Winter 1994, p. 217-231. ill. ISSN: 0748-7304.
NAL call no: QH527.J68
Descriptors: hormones, photoperiodic control, seasonal LH variations, mink, ferret.

Ovarian hormone secretion and embryo development during early pregnancy in mink and ferrets. 1994. McRae, A.C. *Animal Reproduction Science*, Jan. 1994, v. 34 (3-4), p. 315-326. ill. ISSN: 0378-4320.
Descriptors: hormones, pregnancy, embryo development, ovary.

Pubertal maturation is associated with an increase in the number of androgen receptor-immunoreactive cells in the brains of male ferrets. 1994. Kashon, M.L.; Sisk, C.L. *Developmental Brain Research*, 1994, v. 78 (2), p. 237-242. ISSN: 0165-3806.
Descriptors: androgen receptors, brain, males puberty, maturation.

A technique for vasectomizing male ferrets. 1994. Ryland, L.M.; Lipinski, E. *Canine Practice*, 1994, v. 19 (1), p. 25-27. ref.
Descriptors: surgery, male genitalia, vasectomy.

Luteal protein secretion during preimplantation in the ferret. 1993. Huang, J.L.; Powell, M.; Mead, R.A. *Biology of Reproduction*, 1993, v. 48 (3), p. 647-654. ref. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: embryo implantation, proteins, corpus luteum, synthesis.

Oestrus control in ferrets. 1993. Kluth, G.A. *Veterinary Record*, 1993, v. 133 (10), p. 252. ref.
ISSN: 0042-4900.
NAL call no: 42.8 V641
Descriptors: adverse effects, progesterone, oestrus, control.

Role of ovarian steroids in development of uterine binding sites for prolactin in the ferret. 1993. Rose, J.; Huang, J.L.; Mead, R.A. *Biology of Reproduction*, 1993, v. 48 (6), p. 1266-1273. ref. ISSN: 0006-3363.
NAL call no: QL876.B5
Descriptors: uterus, prolactin, steroids, ovaries, oestrogens, progesterone, effects.

Sex and regional differences in intracellular localization of estrogen receptor immunoreactivity in adult ferret forebrain. 1993. Tobet, S.A.; Chickering, T.W.; Fox, T.O.; Baum, M.J. *Neuroendocrinology*, 1993, v. 58 (3), p. 316-324. ref. ISSN: 0028-3835.
Descriptors: estradiol, oestrogens, receptors, brain, sex differences.

Bile salt stimulated lipase: Comparative studies in ferret milk and lactating mammary gland. 1992. Ellis, L.A.; Hamosh, M. *Lipids*, American Oil Chemists' Society, Nov. 1992, v. 27 (11), p. 917-922. ref. ISSN: 0024-4201.
NAL call no: QP751.L5
Descriptors: ferrets, milk, mammary tissue, enzyme activity, cells, inhibition.

Comparative vaginal cytology of the estrous cycle of black-footed ferrets (*Mustela nigripes*), Siberian polecats (*M. eversmanni*), and domestic ferrets. (*M. Putorius furo*). 1992. Williams, E.S.; Thorne, E.T.; Kwiatkowski, D.R.; Lutz, K.; Anderson, S.L. *Journal of Veterinary Diagnostic Investigation*, Jan. 1992, v. 4 (1), p. 38-44. ref. ISSN: 1040-6387.
NAL call no: SF774.J68
Descriptors: ferrets, polecats, vagina, cytology, estrous cycle, reproductive disorders.

Effect of ovariectomy on blastocyst expansion and survival in ferrets (*Mustela putorius furo*). 1992. McRae, A.C. *Reproduction, Fertility and Development*, 1992, v. 4 (2), p. 239-247. ref. ISSN: 1031-3613.
NAL call no: QP251.R47
Descriptors: blastocyst, diameter, progesterone, effects.

Reproductive features in the ferret (*Mustela putorius*). 1992. Lagerkvist, G. *Reproduction in Carnivorous Fur Bearing Animals.* (Iceland), Apr. 1991. Tauson, A.H.; Valtonen, M. (eds.). p. 87-95. ill. ref. ISBN: 8774323571.
Descriptors: reproduction, sexual maturity, oestrous cycle, fertilization, genetics.

Sexual dimorphism in the effects of mating on the in vitro release of LHRH from the ferret mediobasal hypothalamus. 1992. Lambert, G.M.; Rubin, B.S.; Baum, M.J. *Physiology and Behavior*, 1992, v. 52 (4), p. 809-813. ref.
Descriptors: mating, LHRH, gonadotropins, ferret.

Quantitative light and scanning electron microscopy of ferret sperm. 1991. Van der Horst, G.; Curry, P.T.; Zkitchin, R.M.; Burgess, W.; Thorne, E.T.; Kwiatkowski, D. Parker, M.; Atherton, R.W. *Molecular Reproduction and Development*, 1991. V. 30 (3), p. 232-240. ill. ISSN: 1040-452X.
Descriptors: sperm, morphology, variation, species differences.

Real-time ultrasonographic determination of pregnancy and gestational age in ferrets. 1990. Peter, A.T.; Bell, J.A.; Manning, D.D.; Bosu, W.T.K. *Laboratory Animal Science*, Jan. 1990, v. 40 (1), p. 91-92. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ferrets, pregnancy, diagnosis, ultrasonography, embryonic development.

Reproductive failure in mink and ferrets after intravenous or oral inoculation of *Campylobacter jejuni*. 1990. Bell, J.A.; Manning, D.D. *Canadian Journal of Veterinary Research: Revue Canadienne de Recherche Veterinaire*, Oct. 1990, v. 54 (4), p. 432-437. ref. ISSN: 0830-9000.
NAL call no: SF601.C24
Descriptors: ferrets, mink, abortion, uterus, placenta, fetal death.

Use of vaginal cytology in three species of ferret. 1990. Williams, E.S.; Thorne, E.T.; Kwiatkowski, D.R.; Lutz, K.; Anderson, S.L. *American Association of Veterinary Laboratory Diagnosticians; Abstracts 33rd Annual Meeting*, Denver, CO. Oct. 7-9, 1990, p. 27. ref.
Descriptors: vagina, cytology, female genitalia.

Reproduction, breeding and growth. 1988. Fox, J.G. *Biology and Diseases of the Ferret*, Lea & Febiger, Philadelphia, p. 174-183. ill. ref. ISBN: 0812111397.
NAL call no: SF407.F39B56
Descriptors: ferrets, reproductions, animal breeding, growth.

Uterine luminal proteins during the preimplantation period in the ferret. 1987. Foresman, K.R. *Journal of Experimental Zoology*, Jul. 1987, v. 243 (1), p. 103-109. ill. ref. ISSN: 0022-104X.
NAL call no: 410 J825
Descriptors: ferrets, protein synthesis, uterus, preimplantation period.

Coital stimuli controlling luteinizing hormone secretion and ovulation in the female ferret. 1985. Carroll, R.S.; Erskine, M.S.; Doherty, P.C.; Lundell, L.A.; Baum, M.J. *Biology of Reproduction*, May 1985, v. 32 (4), p. 925-933. ref. ISSN: 0006-3363.

NAL call no: QL876.B5

Descriptors: stimuli, copulation, hormone secretion, ovulation, ferrets.

Congenital malformations and variations in reproductive performance in the ferret: Effects of maternal age, color and parity. 1985. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 250-255. ill. ref. ISSN: 0023-6764.

Descriptors: ferrets, color, reproductive performance, congenital abnormalities, age.

Influence of day length and endocrine status on luteinizing hormone secretion in intact and ovariectomized adult ferrets. 1985. Ryan, K.D.; Siegel, S.F.; Robinson, S.L. *Biology of Reproduction*, Oct. 1985, v. 33 (3), p. 690-697. ref. ISSN: 0006-3363.

NAL call no: QL876.B5

Descriptors: ferrets, ovariectomized females, secretions, photoperiod.

Oestrus-associated anaemia in the ferret. 1985. Copper, J.E.; Brearley, M.J.; Cunningham, A. *Veterinary Record*, Oct. 12, 1985, v. 117 (15), p. 395-396. ref.

NAL call no: 41.8 V641

Descriptors: ferrets, anemia, estrus.

Mastitis caused by hemolytic Escherichia coli in the ferret. 1983. Liberson, A.J.; Newcomer, C.E.; Ackerman, J.I.; Murphy, J.C.; Fox, J.G. *Journal of the American Veterinary Medical Association*, Dec. 1, 1983, v. 183 (11), p. 1179-1181. ill. ref. ISSN: 0003-1488.

NAL call no: 41.8 AM3

Descriptors: mastitis, ferret, hemolytic E. Coli.

Steroid metabolism in the corpus luteum of the ferret (Pregnancy). 1983. Kinter, P.J.; Mead, R.A. *Biology of Reproduction*, Dec. 1983, v. 29 (5), p. 1121-1127. ref. ISSN: 0006-3363.

NAL call no: QL876.B5

Descriptors: steroid metabolism, corpus luteum, pregnancy, ferret.

RESEARCH

Histochemical phenotypes of von Ebner's gland of ferret and their functional implications.

2001. Triantafyllou, Asterios; Fletcher, David; Scott, John. *Histochemical Journal*, Mar. 2001, v. 33 (3), p. 173-181. ISSN: 0018-2214.

Descriptors: von Ebner gland, dental and oral system, ductal cells, ferret.

Alternate techniques for venipuncture in ferrets. 2000. Taylor, B. *Exotic DVM*, 2000, v. 2 (6), p. 37-39. ref. ISSN: 1521-1363.

Descriptors: blood specimen collection, jugular vein, trachea, ferret.

Ferret allergy. 2000. Lockey, R.F.; Reichmuth, Daniel; Codina, R.; Jean, Cristina. *Journal of Allergy and Clinical Immunology*, Jan. 2000, v. 105 (1 part 2), p. S328. ISSN: 0091-6749.

Descriptors: asthma, immune system disease, allergy, respiratory system disease.

Induction of emetic, pyrexic, and behavioral effects of *Staphylococcus aureus* enterotoxin B in the ferret. 2000. Wright, A.; Andrews, P.L.R.; Titball, R.W. *Infection and Immunity*, 2000, v. 68 (4), p. 2386-2389. ISSN: 0019-9567.

NAL call no: QR1.I57

Descriptors: enterotoxins, food poisoning, emetics, fever, toxicity testing.

Molecular cloning of a ferret angiotensin II ATI receptor reveals the importance of position

163 for Losartan binding. 2000. Gosselin, Mylene J.; Leclerc, Patrice C.; Auger, Messier Mannix; Guillemette, Gaetan; Escher, Emanuel; Leduc, Richard. *Biochimica et Biophysica Acta*, Jun. 2, 2000, v. 1497 (1), p. 94-102. ISSN: 0006-3002.

NAL call no: 381 B522

Descriptors: angiotensin II, amino acid sequence, losartan, cloning.

Tissue distribution of lycopene in ferrets and rats after lycopene supplementation. 2000.

Ferreira, A.L.A.; Yeum, K.J.; Liu, C.; Smith, D.; Krinsky, N.I.; Wang, K.D. Russell, R.M. *Journal of Nutrition*, May 2000, v. 130 (5), p. 1256-1260. ref. ISSN: 0022-3166.

NAL call no: 389.8 J82

Descriptors: lycopene, supplements, animal models, blood plasma, liver, absorption.

Cis-lycopene is more bioavailable than trans-lycopene in vitro and in vivo in lymph-cannulated ferrets. 1999. Boileau, A.C.; Merchen, N.E.; Wasson, K.; Atkinson, C.A.; Erdman, J., W. Jr. *Journal of Nutrition*, 1999, v. 129 (6), p. 1176-1181. ref. ISSN: 0022-3166.

NAL call no: 389.8 J82

Descriptors: intestinal absorption, carotenoids, lycopene, bioavailability.

Partial protection against oral challenge with *Mycobacterium bovis* in ferrets (*Mustela furo*) following oral vaccination with BCG. 1999. Quershi, T.; Labes, R.E.; Cross, M.L.; Griffin, J.F.T.; Mackintosh, C.G. *International Journal of Tuberculosis and Lung Disease*, 1999, v. 3 (11), p. 1025-1033. ref.

Descriptors: oral vaccination, immune response, lesions, lymph nodes, tuberculosis.

Retinoid signaling and activator protein-1 expression in ferret given beta-carotene

supplements and exposed to tobacco smoke. 1999. Wang, XiangDong; Liu, Chun; Bronson, R.T.; Smith, D.E.; Krinsky, N.I.; Russell, R.M.; Wang, X.D.; Liu, C. *Journal of the National Cancer Institute*, 1999, v. 91 (1), p. 60-66. ref. ISSN: 0027-8874.

Descriptors: beta carotene, supplements, lungs, retinoids, receptors, neoplasms.

Evaluation of iophenoxic acid and rhodamine B for marking ferel ferrets (*Mustela furo*).

1998. Oglivie, S.C.; Eason, C.T. *New Zealand Journal of zoology*, 1988, v. 25 (2), p. 105-108. ref. ISSN: 0301-4223.

Descriptors: evaluation, marking, serum, baits, iodine, wild animals.

Ferrets (*Mustela putorius furo*) inefficiently convert beta-carotene to vitamin A. 1998.

Lederman, J.D.; Overton, K.M.; Hofmann, N.E.; Moore, B.J.; Thornton, J.; Erdman, J.W. Jr. *Journal of Nutrition*, Feb. 1998, v. 128 (2), p. 271-279. ref. ISSN: 0022-3166.

NAL call no: 389.8 J82

Descriptors: beta carotene, retinol, metabolism, conversion, diets, blood serum.

Reversion to virulence of an attenuated mink distemper virus vaccine induced by rapid serial passage in ferrets. 1998. Gorham, J.R.; Goto, H. *Scientifur*, 1998, v. 22 (2), p. 149-156. ref. ISSN: 0105-2403.

Descriptors: virulence, live vaccines, attenuation, viral diseases, ferrets, mink.

Saphenous vein puncture for blood sampling of the mouse, rat, hamster, gerbil, guineapig, ferret and mink. 1998. Hem, A.; Smith, A.J.; Solberg, P. *Laboratory Animals*, Oct. 1998, v. 32 (4), p. 364-368. ref. ISSN: 0023-6772.
NAL call no: QL55.A1L3
Descriptors: blood sampling, veins, restraint of animals, ferret, mink, rats.

Taurocholate stimulates the absorption and biotransformation of beta-carotene in intact and lymph duct-cannulated ferrets. 1998. Marmillot, P.; Satchithanandam, S.; Liu, Q.G.H.; Lakshman, M.R. *Nutrition and Cancer*, 1998, v. 31 (1), p. 18-23. ref. ISSN: 0163-5581.
NAL call no: RC262.C5N8
Descriptors: beta carotene, intestinal absorption, metabolism, diet, blood plasma.

Venipuncture in ferrets and rabbits. 1998. Ness, R.D. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1998, v. 12, p. 850-851.
NAL call no: SF605.N672
Descriptors: ferrets, rabbits, blood sampling, venipuncture.

Bilateral disruption of conditioned responses after unilateral blockade of cerebellar output in the decerebrate ferret. 1997. Ivarsson, M.; Svensson, P.; Hesslow, G. *The Journal of Physiology*, Jul. 1, 1997, v. 502 (Part 1), p. 189-201. ISSN: 0022-3751.
Descriptors: cerebellum physiology, decerebrate state physiopathology, ferrets.

Biosynthesis of retinoic acid from beta-apo-14'-carotenal in ferret in vivo. 1997. Liu, chun; Wang, XiangDong; Russell, R.M.; Liu, C.; Wang, X.D. *Journal of Nutritional Biochemistry*, 1997, v. 8 (11), p. 652-657. ref. ISSN: 0955-2863.
NAL call no: QP141.A1J54
Descriptors: retinoic acid, retinol, beta-carotene, synthesis, vitamins.

Biphasic inotropic effects of methamphetamine and methylphenidate on ferret papillary muscles. 1997. Ishiguro, Y.; Morgan, J.P. *Journal of Cardiovascular Pharmacology*, Dec. 1997, v. 30 (6), p. 744-749. ISSN: 0160-2446.
Descriptors: drugs, dose response, drug effects, ferrets, papillary muscles, ferrets.

Clonal dispersion and evidence for asymmetric cell division in ferret cortex. 1997. Reid, C.B.; Tavazoie, S.F.; Walsh, C.A. *Development*, 1997, v. 124 (12), p. 2441-2450. ISSN: 0950-1991.
Descriptors: cell lineage, cell division, clones, cortex, retrovirus, ferret.

Evaluation of noninvasive monitoring techniques in domestic ferrets (*Mustela putorius furo*). 1997. Olin, J.M.; Smith, T.J.; Talcott, M.R. *American Journal of Veterinary Research*, 1997, v. 58 (10), p. 1065-1069. ref. ISSN: 0002-9645.
NAL call no: 41.8 AM3A
Descriptors: diagnostic techniques, blood pressure, monitoring, blood gases.

Experiments and a model examining learning in the area-restricted search behavior of ferrets (*Mustela putorius furo*). 1997. Haskell, David G. *Behavioral Ecology*, Jul./Aug.

1997, v. 8 (4), p. 448-455. ill. ISSN: 1045-2249.

Descriptors: learning aspect, laboratory model, foraging, area restricted searching.

Histogenesis of ferret somatosensory cortex. 1997. Noctor, S.C.; Scholnicoff, N.J.; Juliano, S.L. *Journal of Comparative Neurology*, Oct. 20, 1997, v. 387 (2), p. 179-193. ISSN: 0021-9967.

Descriptors: somatosensory cortex, growth, development, visual cortex, ferrets.

Nitric oxide in the control of submandibular gland function in the anaesthetized ferret.

1997. Tobin, G.; Edwards, A.V.; Bloom, S.R.; Ekstrom, J. *Experimental Physiology*, Sept. 1997, v. 82 (5), p. 825-836. ISSN: 0958-0670.

Descriptors: submandibular gland, blood supply, secretion, metabolism.

Promotion of ulcerative duodenitis in young ferrets by oral immunization with

***Helicobacter mustelae* and muramyl dipeptide.** 1997. Whary, M.T.; Palley, L.S.;

Batchelder, M.; Murphy, J.C.; Yan, L.; Taylor, N.S.; Fox, J.G. *Helicobacter*, Jun. 1997, v. 2 (2), p. 65-77. ISSN: 1083-4389.

Descriptors: duodenitis pathology, Helicobacter infections, immunology, ferrets.

Protective vaccination of ferrets against canine distemper with recombinant pox virus

vaccines expressing the H or F genes of rinderpest virus. 1997. Jones, L.; Tenorio, E.; Gorham, J.; Yilma, T. *American Journal of Veterinary Research*, 1997, v. 58 (6), p. 590-593. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: vaccination, recombinant vaccines, viral diseases, biotechnology.

Purification and partial characterization of a cellular carotenoid-binding protein from

ferret liver. 1997. Rao, M.N.; Ghosh, P.; Lakshman, M.R. *Journal of Biological*

Chemistry, Sept. 26, 1997, v. 272 (39), p. 24455-24460. ref. ISSN: 0021-9258.

NAL call no: 381 J824

Descriptors: ferrets, animal proteins, binding proteins, carotenoids, purification.

Relationship between nitric oxide synthesis activity, vasopressin and oxytocin in the

brainstem and hypothalamus of the ferret. 1997. Gustafsson, B.; Oland, L.; Davison, J.S. *Proceeding of the Western Pharmacology Society*, 1997, v. 40, p. 103-104. ISSN: 0083-8969.

Descriptors: brain stem metabolism, hypothalamus metabolism, nitric oxide.

Angiotensin II stimulates sodium-dependent proton extrusion in perfused ferret heart.

1996. Grace, A.A.; Metcalfe, J.C.; Weisberg, P.L.; Bethell, H.W.; Vandenberg, J.I. *The American Journal of Physiology*, Jun. 1996, v. 270 (6 Part 1), p. C1687-C1694. ISSN: 0002-9513.

NAL call no: 447.8 AM3

Descriptors: Angiotensin II pharmacology, myocardium metabolism, ferrets.

The crystalline form of carotenes and the food matrix in carrot root decrease the relative bioavailability of beta- and alpha-carotene in the ferret model. 1996. Zhou, J.R.; Gugger, E.T.; Erdman, J.W. Jr. *Journal of the American College of Nutrition*, Feb. 1996, v. 15 (1), p. 84-91. ref. ISSN: 073105724.
NAL call no: RC620.A1J6
Descriptors: carrots, alpha carotene, beta carotene, bioavailability, ferrets.

The effects of dietary taurocholate, fat, protein, and carbohydrate on the distribution and fate of dietary beta-carotene in ferrets. 1996. Lakshman, M.R.; Liu, Q.H.; Sapp, R.; Somanchi, M.; Sundaresan, P.R. *Nutrition and Cancer*, 1996, v. 26 (1), p. 49-61. ref. ISSN: 0163-5581.
NAL call no: RC262.C5N8
Descriptors: diet, taurocholic acid, dietary fat, protein, liver, lungs, absorption.

Effects of moderate hypothermia on baroreflex and pulmonary chemoreflex heart rate response in decerebrate ferrets. 1996. Zheng, F.; Kidd, C.; Bowser, Riley F. *Experimental Physiology*, May 1996, v. 81 (3), p. 409-420. ISSN: 0958-0670.
Descriptors: heart rate physiology, blood pressure physiology, ferrets.

Intracellular pH and intrinsic H⁺ buffering capacity in normal and hypertrophied right ventricle of ferret heart. Do, E.; Ellis, D.; Noireaud, J. *Cardiovascular Research*, May 1996, v. 31 (5), p. 729-738. ISSN: 0008-6363.
Descriptors: hydrogen metabolism, hypertrophy, right ventricular metabolism.

Length-dependent activation in intact ferret hearts: Study of steady-state Ca(2+)-stress-strain interrelations. 1996. Stennett, R.; Ogino, K.; Morgan, J.P.; Burkhoff, D. *The American Journal of Physiology*, Jun. 1996, v. 270 (6 Part 2), p. H1940-H1950. ISSN: 0002-9513.
NAL call no: 447.8 AM3
Descriptors: calcium metabolism, myocardial contraction, ventricular function.

Observational learning in sable ferrets (*Mustela putorius furo*). 1996. Scott, Amy E.; Weibers, Todd. *Arkansas Academy of Science Proceedings* 50, 1996, p. 143-144. ill. ISSN: 0097-4347.
Descriptors: ferret, learning, observational learning capability.

The effects of compensated cardiac hypertrophy on dihydropyridine and ryanodine receptors in rat, ferret and guinea pig hearts. 1995. Rannou, F.; Sainte-Beuve, C.; Oliviero, P. Do, E.; Trouve, P.; Charlemagne, D. *Journal of Molecular and Cellular Cardiology*, May 1995, v. 27 (5), p. 1225-1234. ISSN: 0022-2828.
Descriptors: calcium metabolism, myocardial contraction, myosins metabolism.

Effect of environmental tobacco smoke on the metabolism of (-)-trans-benzo(a) pyrene-7,8-dihydrodiol in juvenile ferret lung and liver. 1995. Sindhu, R.K.; Rasmussen, R.E.; Kikkawa, Y. *Journal of Toxicology and Environmental Health*, Aug. 1995, v. 45 (4), p. 453-464. ISSN: 0098-4108.
NAL call no: RA565.A1J6
Descriptors: liver metabolism, lung metabolism, tobacco smoke pollution.

Fluid and protein secretion from ferret submandibular and parotid glands in response to sympathetic nerve stimulation or administration of sympathomimetics. 1995. Tobin, G.; Mirfendereski, S.; Ahstrom, T.; Ekstrom, J. *Acta Physiologica Scandinavica*, Mar. 1995, v. 153 (3), p. 231-241. ISSN: 0001-6772.
Descriptors: parotid gland physiology, submandibular gland physiology, drug effects.

Inability of an isogenic urease-negative mutant strain of Helicobacter mustelae to colonize the ferret stomach. 1995. Andrutis, K.A.; Fox, J.G.; Schauer, D.B.; Marinin, R.P.; Murphy, J.C.; Yan, L.; Solnick, J.V. *Infection and Immunity*, Sept. 1995, v. 63 (9), p. 3722-3725. ref. ISSN: 0019-9567.
NAL call no: QR1.I57
Descriptors: ferrets, bacterial diseases, mutants, virulence, urease, stomach mucosa.

In vivo MRI visualization of acute myocardial ischemia and reperfusion in ferrets by the persistent action of the contrast agent Gd (BME-DTTA). Simor, T.; Chu, W.L.; Johnson, L.; Safranko, A.; Doyle, M.; Pohost, G.M.; Elgavish, G.A. *Circulation*, Dec. 1995, v. 92 (12), p. 3549-3559. ISSN: 0009-7322.
Descriptors: electrocardiography, myocardial ischemia, MRI, ferrets.

Otologic and systemic manifestations of experimental influenza A virus infection in the ferret. 1995. Buchman, C.A.; Swarts, J.D.; Seroky, J.T.; Panagiotou, N.; Hayden, F.; Doyle W.J. *Otolaryngology Head and Neck Surgery*, Apr. 1995, v. 112 (4), p. 572-578. ISSN: 0194-5998.
Descriptors: disease models, influenza virus, otitis media physiopathology.

The metabolic consequences of an increase in the frequency of stimulation in isolated ferret hearts. 1994. Elliot, A.C.; Smith, G.L.; Allen, D.G. *The Journal of Physiology*, Jan. 1, 1994, v. 474 (1), p. 147-159. ISSN: 0022-3751.
Descriptors: myocardium metabolism, glycogen metabolism, oxygen metabolism.

Protection of ferrets against influenza challenge with a DNA vaccine to the haemagglutinin. 1994. Webster, R.G.; Fynan, E.F.; Santoro, J.C.; Robinson, H. *Vaccine*, 1994, v. 12 (16), p. 1495-1498. ISSN: 0264-410X.
Descriptors: DNA, ferrets, influenza virus, vaccines, vaccination, immunization.

Sodium/calcium exchange modulates intracellular calcium overload during posthypoxic reoxygenation in mammalian working myocardium. Evidence from aequorin-loaded ferret ventricular muscles. 1994. Kihara, Y.; Sasayama, S.; Inoko, M.; Morgan, J.P. *The Journal of Clinical Investigation*, Mar. 1994, v. 93 (3), p. 1275-1284. ISSN: 0021-9738.
Descriptors: myocardial contraction, ferrets, anoxia metabolism, calcium metabolism.

Suppression of cerebellar Purkinje cells during conditioned responses in ferrets. 1994. Hesslow, G.; Ivarsson, M. *Neuroreport*, 1994, v. 5 (5), p. 649-652. ISSN: 0959-4965.
Descriptors: cerebellum, Purkinje cells, conditioned response, electrical stimulation.

A technique for catheterization of ferrets for chronic intratracheal material administration. 1994. *Journal of Pharmacol. Toxicol. Methods*, 1994, v. 31 (2), p. 113. ISSN: 1056-8719.
Descriptors: toxicity testing, catheterization, ferrets, material administration.

Transmissible mink encephalopathy species barrier effect between ferret and mink: PrP gene and protein analysis. 1994. Bartz, J.C.; McKenzie, D.I.; Bessen, R.A.; Marsh, R.F.; Aiken, J.M. *Journal of General Virology*, Reading: Society for General Microbiology, Nov. 1994, v. 75 (Pt. 11), p. 2947-2953. ref. ISSN: 0022-1317.
NAL call no: QR360.A1J6
Descriptors: ferrets, mink, viruses, prions, gene expression, encephalopathy.

Distribution of beta-carotene and vitamin A in lipoprotein fractions of ferret serum. 1993. Ribaya-Mercado, J.D.; Lopez, Miranda J.; Odovas, J.M.; Blanco, M.C.; Fox, J.G.; Russell, R.M. *Annals of the New York Academy of Sciences*, 1993, v. 691, p. 232-237. ref. ISSN: 0077-8923.
NAL call no: 500.N484
Descriptors: beta carotene, retinol, blood serum, supplements, ferrets.

Evaluation of the bioavailability of natural and synthetic forms of beta-carotenes in a ferret model. 1993. White, W.S.; Peck, K.M.; Ulman, E.A.; Erdman, J.E. Jr. *Annals of the New York Academy of Sciences*, 1993, v. 691, p. 229-231. ref. ISSN: 0077-8923.
NAL call no: 500.N484
Descriptors: beta carotene, bioavailability, carrot juice, blood serum, liver, ferrets.

Evaluation of plasma cortisol and corticosterone responses to synthetic adrenocorticotropic hormone administration in ferrets. 1993. Rosenthal, K.L.; Peterson, M.E.; Quesenberry, K.E.; Lothrop, C.D. Jr. *American Journal of Veterinary Research*, Jan. 1993, v. 54 (1), p. 29-31. ref. ISSN: 0002-9645.
NAL call no: 41.8 AM3A
Descriptors: ferrets, corticotropin, blood plasma, hydrocortisone.

Interactions of oral beta-carotene and canthaxanthin in ferrets. 1993. White, W.S.; Peck, K.M.; Bierer, T.L.; Gugger, E.T.; Erdman, J.W. Jr. *Journal of Nutrition*, Aug. 1993, v. 123 (8), p. 1405-1413. ref. ISSN: 0022-3166.
NAL call no: 389.8 J82
Descriptors: beta carotene, canthaxanthin, blood serum, tissues, bioavailability.

Intestinal perfusion of beta-carotene in the ferret raises retinoic acid level in portal blood. 1993. Wang, X.D.; Russell, R.M.; Marini, R.P.; Tang, G.; Dolnikowski, G.G.; Fox, J.G.; Krinsky, N.I. *Biochimica et Biophysica Acta: International Journal of Biochemistry and Biophysics*, Apr. 7, 1993, v. 1167 (2), p. 159-164. ref. ISSN: 0006-3002.
NAL call no: 381 B522
Descriptors: ferrets, beta carotene, perfusion, portal vein, blood chemistry.

Light and electron-microscopic immunocytochemistry of somatotropes in the anterior pituitary gland of European ferret, *Mustela putorius furo*. 1993. Mohanty, B.; Takahara, H.; Tachibana, T.; Naik, D.R.; Nogami, H. *Cell and Tissue Research*, Sept. 1993, v. 273 (3), p. 427-434. ISSN: 0302-766X.
Descriptors: ferrets metabolism, pituitary gland, anterior metabolism, anatomy, histology.

Practical venipuncture techniques for the ferret. 1993. Otto, G.; Rosenblad, W.D.; Fox, J.G. *Laboratory Animals*, Jan. 1993, v. 27 (1), p. 26-29. ref. ISSN: 0023-6772.
NAL call no: QL55.A1L3
Descriptors: ferrets, blood sampling, intravenous injection.

Serum carotenoids and retinoids in ferrets fed canthaxanthin. 1993. Tang, G.; Dolnikowski, G.G.; Blanco, M.C.; Fox, J.G.; Russell, R.M. *Journal of Nutrition and Biochemistry*, Jan. 1993, v. 4 (1), p. 58-63. ref. ISSN: 0955-2863.
NAL call no: QP141.A1J54
Descriptors: diet, blood serum, carotenoids, retinoids, ferrets.

A technique for catheterization of ferrets for chronic intratracheal material administration. 1993. Chimes, M.J. *Laboratory Animal Science*, Aug. 1993, v. 43 (4), p. 346-349. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: catheterization methods, trachea surgery, ferrets, drug evaluation.

The use of telemetry to compare the pyrexic responses of ribavirin-treated and untreated influenza virus-infected ferrets. 1993. Fenton, R.J.; Dempsey, M.H.; Ryan, D.M. *Welfare and Science Proceedings of the Fifth Symposium of the Federation of European Laboratory Animal Science Associations*, Jun. 8-11, 1993, Brighton, UK. Royal Society of Medicine Press, 1994, p. 367-370. ref. ISBN: 1853152404.
NAL call no: QL55.F43 1993
Descriptors: ferrets, ribavirin, fever, influenza, drug effects, telemetry.

Arachidonic acid increases cholinergic secretory responsiveness of ferret tracheal glands. 1992. McBride, R.K.; Stone, K.K.; Marin, M.G. *American Journal of Physiology*, 1992, v. 262 (6), p. L694-L698. ref. ISSN: 0002-9513.
Descriptors: trachea, glands, secretion, arachidonic acid, agonists, ferrets.

Beta-carotene, retinol and retinyl ester concentrations in serum and selected tissues of ferrets fed beta-carotene. 1992. Ribaya- Mercado, J.D.; Fox, J.D.; Rosenblad, W.D.; Blanco, M.C.; Russell, R.M. *Journal of Nutrition*, Sept. 1992, v. 122 (9), p. 1898-1903. ref. ISSN: 0022-3166.
NAL call no: 389.8 J82
Descriptors: diet, beta carotene, blood serum, retinol, retinyl esters, ferrets.

The ferret in biomedical research. A review. 1992. Fischer, R.G.; Klinge, B. *Scandinavian Journal of Laboratory Animal Science*, 1992, v. 19 (4), p. 153-161. ref. ISSN: 0901-3393.
Descriptors: reproduction, reviews, ferrets, animal husbandry.

Reference intervals for insulin concentrations and insulin: Glucose ratios in the serum of ferrets. 1992. Mann, F.A.; Stockham, S.L.; Freeman, M.B.; Wagner, Mann C.; Besch, Williford C.L.; Nachreiner, R.F. *Journal of Small Exotic Animal Medicine*, 1992, v. 2 (2), p. 79-83. ref.
Descriptors: insulin, normal values, glucose, blood sugar, blood chemistry.

Some morphological studies on the diaphragm of the ferret, *Mustela furo*. 1992. Nosseur, H.M. *Assiut Veterinary Medical Journal* (Egypt), Oct. 1992, 28 (55), p. 1-12. ref. fig.
Descriptors: ferrets, diaphragm, animal morphology, body parts, muscles.

Enzymatic conversions of beta-carotene into beta-apo-carotenals and retinoids by human, monkey, ferret, and rat tissues. 1991. Wang, X.D.; Tang, G.W.; Fox, J.D.; Krinsky, N.I.; Russell, R.M. *Archives of Biochemistry and Biophysics*, Feb. 15, 1991, v. 285 (1), p. 8-16. ref. ISSN: 0003-9861.

NAL call no: 381 AR2

Descriptors: beta carotene, biochemical pathways, retinoids, enzymes.

Ferrets as laboratory animals: A bibliography. 1991. Clingerman, Karen J.; Fox, James G.; Walke, Marian. *Bibliographies and Literature of Agriculture*, MIT, 1991, vii, 105 p. USDA, NAL, no. 113.

NAL call no: aZ5076.A1U54 no. 113

Descriptors: ferrets as laboratory animals, bibliography.

Derivation of gnotobiotic ferrets: Perinatal diet and hand-rearing requirements. 1990.

Manning, D.D.; Bell, J.A. *Laboratory Animal Science*, Jan. 1990, v. 40 (1), p. 51-55. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, gnotobiotic animals, artificial rearing, diet, animal feeding.

A technique of femoral bone marrow collection in the ferret. 1990. Palley, L.S.; Marini, R.P.; Rosenblad, W.D.; Fox, J.D. *Laboratory Animal Science*, Nov. 1990, v. 40 (6), p. 654-655. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, femur, bone marrow, sampling, suction.

Changes in physiologic and clinicopathologic values in domestic ferrets from 12 to 47 weeks of age. 1988. Hoover, J.P.; Baldwin, C.A. *Companion Animal Practice*, Jan. 1988, v. 2 (1), p. 40-44. ref. ISSN: 0894-9794.

NAL call no: SF981.C64

Descriptors: ferrets, physiopathology, blood chemistry, diagnostic techniques.

Serum cortisol radioimmunoassay values in the normal ferret and response to ACTH stimulation and dexamethasone suppression tests. 1988. Garibaldi, B.A.; Pecquet-Goad, M.E.; Fox, J.G.; Sylvina, T.J.; Murray, R. *Laboratory Animal Science*, Aug. 1988, v. 38 (4), p. 452-545. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, blood serum, cortisol, radioimmunoassay, suppression.

Serum thyroxine and triiodothyronine radioimmunassay values in the normal ferret. 1988. Garibaldi, B.A.; Pecquet,-Goad, M.E.; Fox, J.G.; Murray, R. *Laboratory Animal Science*, Aug. 1988, v. 38 (4), p. 455-468. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, blood serum, thyroxine, triiodothyronine, radioimmunoassay.

A simple technique for chronic jugular catheterization in ferrets. 1988. Mesina, J.E.; Sylvina, T.J.; Hotaling, L.C.; Goad, M.E.P.; Fox, J.G. *Laboratory Animal Science*, Feb. 1988, v. 38 (1), p. 89-90. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: blood sampling, jugular vein, catheters, surgical operations.

A tethered-restraint system for blood collection from ferrets. 1988. Jackson, R.K.; Kieffer, V.A.; Sauber, J.J.; King, G.L. *Laboratory Animal Science*, Oct. 1988, v 38 (5), p. 625-628. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, blood specimen collection, tethering, restraint of animals.

Use of the ferret in behavioral research. 1988. Baum, M.J. *Biology and Diseases of the Ferret*, James D. Fox (ed). Lea&Febiger, Philadelphia, PA, 1988, p. 315-323. ill. ref. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: animal experiments, sexual behavior, locomotion, play.

Use of the ferret in reproductive neuroendocrinology. 1988. Baum, M.J. *Biology and Diseases of the Ferret*, James D. Fox (ed). Lea&Febiger, Philadelphia, PA, 1988, p. 324-335. ill. ref. ISBN: 0812111397.

NAL call no: SF407.F39B56

Descriptors: ferrets, puberty, ovulation, corpus luteum, seasonal cycles.

Behavior and neurobehavioral teratology using the ferret. 1985. Rabe, A.; Haddad, R.; Dumas, R. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 256-257. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, animal behavior, tests, toxicology, teratogenesis.

A comparative study of the tapetum, retina and skull of the ferret, dog and cat. 1985. Wen, G.Y.; Sturman, J.A.; Shek, J.W. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 200-210. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, dogs, cat, retinas, skulls.

Laboratory management of the ferret for biomedical research. 1985. Moody, K.D.; Bowman, T.A.; Lang, C.M. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 272-279. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets. laboratory rearing, nutrition, housing, breeding.

Restraint device for serial blood sampling of ferrets. 1985. Curl, J.L.; Curl, J.S. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 296-297. ill. ref. ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferrets, restraint of animals, blood sampling.

Retro-orbital technique for blood collection from the ferret (*Mustela putorius furo*). 1994. Fox, J.G.; Hewes, K.; Niemi, S.M. *Laboratory Animal Science*, Apr. 1984, v. 34 (2), p. 198-199, ISSN: 0023-6764.

NAL call no: 410.9 P94

Descriptors: ferret, retro-orbital bleeding, technique, blood collection.

A technique for bleeding ferrets and mink. 1951. Baker, G.A.; Gorham, J.R. *Cornell Veterinarian*, Jul. 1951, v. 41 (3), p. 235-236. ill. ISSN: 0100-8901.

NAL call no: 41.8 C81

Descriptors: ferrets, mink, blood, collection, laboratory methods.

RESPIRATORY

Effects of inactivation of the medial medullary reticular formation of the ferret on respiratory muscle activity. 2002. Shintani, Toshiharu; Jian, Brian J.; Mori, Ryan L.; Yates, Bill J. *FASEB Journal*, Mar. 22, 2002, v. 16 (5), p. A810. ISSN: 0892-6638.
www.fasebj.org/.

Descriptors: nervous system, respiration, neural coordination, ferrets.

Effect of the long-acting tachykinin NK1 receptor antagonist MEN 11467 on tracheal mucus secretion in allergic ferrets. 2001. Khan, Safina; Liu, Yu Chin; Khawaja, Aamir M.; Manzini, Stefano; Rogers, Duncan F. *British Journal of Pharmacology*, Jan. 2001, v. 132 (1), p. 189-196. ISSN: 0007-1188.

Descriptors: allergy, asthma, immune system disease, respiratory system disease.

Projections and pathways of VIP- and nNos-containing airway neurons in ferret trachea. 2001. Zhu, Weimin; Dey, Richard D. *American Journal of Respiratory Cell and Molecular Biology*, Jan. 2001, v. 24 (1), p. 38-43. ISSN: 1044-1549.

Descriptors: nervous system, respiratory system, airway neurons, ferret.

Regulation of secretion from mucous and serous cells in the excised ferret trachea. 2001. Kishioka, Chikako; Okamoto, Kosuke; Kim, Jungsoo; Rubin, Bruce K. *Respiration Physiology*, Jun. 2001, v. 126 (2), p. 163-171. ISSN: 0034-5687.

Descriptors: airway disease, respiratory system disease, mucin, ferret.

Role of intrinsic airway neurons in ozone-induced airway hyperresponsiveness in ferret trachea. 2001. Wu, Zhong Xin; Maize, David F. Jr.; Satterfield, Brian E.; Frazer, David G.; Fedan, Jeff S.; Dey, Richard D. *Journal of Applied Physiology*, Jul. 2001, v. 91 (1), p. 371-378. ISSN: 8750-7587.

Descriptors: airway hyperresponsiveness, ozone induced, respiratory system disease.

Vicks VapoRub® (VVR) induces mucin secretion and increases tracheal mucus transport velocity (TMV) in the ferret. 2001. Abances, J. Carlos; Arima, Shinobu; Rubin, Bruce K. *Pediatric Research*, Apr. 2001, v. 49 (4 Part 2), p. 436A. ISSN: 0031-3998.

Descriptors: airway inflammation, pulmonary edema, respiratory system.

The alpha 3 subtype of the nicotinic acetylcholine receptor is expressed in airway-related neurons of the nucleus tractus solitarius, but is not essential for reflex bronchoconstriction in ferret. 2000. Ferguson, D.G.; Haxhiu, M.A.; To, A.J.; Erokwu, B.; Dresha, I.A. *Neuroscience Letters*, Jun. 23, 2000, v. 287 (2), p. 141-145. ISSN: 0304-3940.

Descriptors: sensory neurons, trachea, acetylcholine receptors nicotinic, ferret.

Effect of a novel anti-inflammatory compound, YM976, on antigen-induced eosinophil infiltration into the lungs in rats, mice, and ferrets. 2000. Aoki, Motonori; Fukunaga, Masahiro; Kitagawa, Minetake; Hayashi, Kazumi; Morokata, Tatsuaki; Ishikawa, Go; Kubo, Satoshi; Yamada, Toshimitsu. *Journal of Pharmacology and Experimental Therapeutics*, Dec. 2000, v. 295 (3), p. 1149-1155. ISSN: 0022-3565.
Descriptors: cell biology, respiratory system, pharmacology, ferret.

Oxygen-independent upregulation of vascular endothelial growth factor and vascular barrier dysfunction during ventilated pulmonary ischemia in isolated ferret lung. 2000. Becker, Patrice M.; Alcasabas, Armina; Yu, Aimee; Semenza, Gregg L.; Bunton, Tracie E. *American Journal of Respiratory Cell and Molecular Biology*, Mar. 2000, v. 22 (3), p. 272-279. ISSN: 1044-1549.

Descriptors: ventilated pulmonary ischemia, respiratory system disease, vascular disease.

Ozone-induced epithelial injury in the ferret is similar to nonhuman primates. 2000. Sterner Kock Anja; Kock, Martin; Braun, Ruedi; Hyde, Dallas M. *American Journal of Respiratory and Critical Care Medicine*, Sept. 2000, v. 162 (3 Part 1), p. 1152-1156. ISSN: 1073-449X.

Descriptors: epithelial injury, ozone induced, vascular disease, ferret.

The role of airway neurons in O₃-induced airway hyper-responsiveness (AHR) in ferret trachea. 2000. Wu, Z.X.; Satterfield, B.; Frazer, D.G.; Fedan, J.S.; Dey, R.D. *FASEB Journal*, Mar. 15, 2000, v. 14 (4), p. A603. ISSN: 0892-6638.

NAL call no: QH301.F3

Descriptors: airway neurons, analysis, ozone, lung airway, functions, lungs.

An autoradiographic assessment of epithelial cell proliferation and post-natal maturation of the tracheal epithelium in infant ferrets. 1999. Carson J.L.; Collier, A.M.; Gambling, T.M.; Hu, S.C. *The Anatomical Record*, Nov. 1, 1999, v. 256 (3), p. 242-251. ISSN: 0003-276X.

Descriptors: cytology, growth, development, physiology, trachea cytology.

Chloride transport in the ferret trachea. 1999. Gerencser, G.A.; Loughlin, G.M.; Crowder, M.A. *Comparative Biochemistry and Physiology: Part A- Mol. Integr. Physiol.* Jan. 1999, v. 122 (1), p. 93-97. ref. ISSN: 1095-6433.

NAL call no: QP1.C6

Descriptors: chloride transport, ferret, trachea.

Effect of fenspiride, a non-steroidal antiinflammatory agent, on neurogenic mucus secretion in ferret trachea in vitro. 1999. Khawaja, A.M.; Liu, Y.C.; Rogers, D.F. *Pulmonary Pharmacology and Therapeutics*, 1999, v. 12 (6), p. 363-368. ISSN: 1094-5539.
Descriptors: trachea, neurogenic mucus secretion, respiratory system.

Effect of non-peptide tachykinin NK1 receptor antagonists on non-adrenergic, non-cholinergic neurogenic mucus secretion in ferret trachea. 1999. Khawaja, Aamir, M.; Liu, Yu Chih; Rogers, Duncan F. *European Journal of Pharmacology*, Nov. 1999, v. 384 (2-3), p. 173-181. ISSN: 0014-2999.

Descriptors: pharmacology, respiratory system, trachea, neurogenic nucus.

Effect of vasoactive intestinal peptide (VIP) -related peptides on cholinergic neurogenic and direct mucus secretion in ferret trachea in vitro. 1999. Liu, Yu Chih; Khawaja, Aamir

M.; Rogers, Duncan. *British Journal of Pharmacology*, Nov. 1999, v. 128 (6), p. 1353-1359.

Descriptors: endocrine system, neurotransmission, respiratory system, trachea.

Role of nitric oxide synthase and cyclooxygenase in pulmonary vascular control in isolated perfused lungs of ferrets, rats and rabbits. 1999. Liy, Xia; Bee, Denise; Barer, Gwenda R. *Experimental Physiology*, Sept. 1999, v. 84 (5), p. 907-916. ISSN: 0958-0670.

Descriptors: pulmonary hypertension, vascular disease, respiration, lungs.

Characterization of neural control and contractile function in airway smooth muscle of the ferret. 1998. Maize, D.F.; Fedan, J.S.; Dey, R.D. *Pulmonary Pharmacology and Therapeutics*, Feb. 1998, v. 11 (1), p. 57-64. ISSN: 1094-5539.

Descriptors: physiology, pharmacology, drug effects, innervation, bronchoconstriction.

Human respiratory syncytial virus produces prolonged alterations of neural control in airways of developing ferrets. 1998. Colasurdo, G.N.; Hemming, V.G.; Prince, G.A.; Gelfand, A.S.; Loader, J.E.; Larsen, G.L. *American Journal of Respiratory and Critical Care Medicine*, 1998, v. 157 (5 Pt. 1), p. 1506-1511. ISSN: 1073-449X.

Descriptors: respiratory tract, function, syncytial virus, ferrets.

The effect of tasuldine, a bronchosecretolytic agent, on mucus rheology and clearability and the interaction with acetylcholine in ferrets. 1997. App. E.M.; Tomkiewicz, R.P.; Hahn, H.L.; Engler, H.; Vergin, H.; King, M. *Pulmonary Pharmacology and Therapeutics*, Oct./Dec. 1997, v. 10 (5-6), p. 271-276. ISSN: 1094-5539.

Descriptors: bronchi drug effects, mucus drug effects, pharmacology, mucus secretion.

Estimation of thickness of airway surface liquid in ferret trachea in vitro. 1997. Duneclift, S.; Wells, U.; Widdicombe, J. *Journal of Applied Physiology*, Sept. 1997, v. 83 (3), p. 761-767. ISSN: 8750-7587.

Descriptors: respiratory system, physiology, anatomy, ferret, trachea, histology.

Flow-induced vasodilation in the ferret lung. 1997. Chammas, J.H.; Rickaby, D.A.; Guarin, M.; Linehan, J.H.; Hanger, C.C.; Dawson, C.A. *Journal of Applied Physiology*, Aug. 1997, v. 83 (2), p. 495-502. ISSN: 8750-7587.

Descriptors: vasodilation physiology, pulmonary artery drug effects, ferret.

Regulation of mucin secretion in the ferret trachea. 1997. Kishioka, C.; Cheng, P.W.; Seftor, R.E.; Lartey, P.A.; Rubin, B.K. *Otolaryngology Head and Neck Surgery*, Nov. 1997, v. 117 (5), p. 480-486. ISSN: 0194-5998.

Descriptors: mucus secretion, trachea secretion, pharmacology, drug effects, ferret,

On muscarinic control of neurogenic mucus secretion in ferret trachea. 1996. Ramnarine, S.I.; Haddad, E.B.; Khawaja, A.M.; Mak, J.C.; Rogers, D.F. *The Journal of Physiology*, Jul. 15, 1996, v. 494 (Pt. 2), p. 577-586. ISSN: 0022-3751.

Descriptors: mucus secretion, antagonists, trachea physiology, ferrets, drug effects.

Nitric oxide inhibition of basal and neurogenic mucus secretion in ferret trachea in vitro.

1996. Ramnarine, S.I.; Khawaja, A.M.; Barnes, P.J.; Rogers, D.F. *British Journal of Pharmacology*, 1996, v. 118 (4), p. 998-1002. ISSN: 0007-1188.

Descriptors: nitric oxide, acetylcholine, trachea, ferrets.

Different effects of salmeterol, formoterol and salbutamol on cholinergic responses in the ferret trachea. 1995. Bergendal, A.; Linden, A.; Lotvall, J.; Skoogh, B.E.; Lofdahl, C.G. *British Journal of Pharmacology*, Apr. 1995, v. 114 (7), p. 1478-1482. ISSN: 0007-1188. Descriptors: acetylcholine, pharmacology, dose response, trachea, drug effects.

Studies on nerves of the upper respiratory tract in the ferret and the mink. 1995. Ranson, R.N.; Butler, P.J.; Taylor, E.W. *Journal of the Autonomic Nervous System*, 1995, v. 52 (1), p. 1-16. ISSN: 0165-1838. Descriptors: superior laryngeal nerve, pharyngeal nerve, respiratory tract, ferret.

Effects of concentrated cigarette smoke on respiratory tract clearance in the ferret. 1994. Phalen, R.F.; Rasmussen, R.E.; Mannix, R.C.; Oldham, M.J. *Inhalation Toxicology*, 1994, v. 6 (2), p. 125-138. ISSN: 0895-8378. Descriptors: cigarette smoke, effects on, particles, respiratory tract, clearance.

Effect of hypoxia on lung fluid balance in ferrets. 1994. White, P. Jr.; Sylvester, J.T.; Humphrey, R.L.; Permutt, T.; Permutt, S.; Brower, R. *American Journal of Respiratory and Critical Care Medicine*, May, 1994, v. 149 (5), p. 1112-1117. ISSN: 1073-449X. Descriptors: anoxia physiopathology, blood pressure, lung water physiology.

Effects of nitrogen dioxide on respiratory tract clearance in the ferret. 1994. Rasmussen, R.E.; Mannix, R.C.; Oldham, M.J.; Phalen, R.F. *Journal of Toxicology and Environmental Health*, 1994, v. 41 (1), p. 109-120. ISSN: 0098-4108.
NAL call no: RA565.A1J6
Descriptors: nitrogen dioxide, respiratory tract, clearance, ferret, air pollution.

Localization of increased collagen in ferret lung tissue after chronic exposure to nitrogen dioxide. 1994. Rasmussen, R.E. *Toxicology Letters*, 1994, v. 73 (3), p. 241-248. ISSN: 0378-4274.
Descriptors: collagen, lung, nitrogen dioxide, ferret.

Tachykinin control of ferret airways: Mucus secretion, bronchoconstriction and receptor mapping. 1993. Meini, S.; Mak, J.C.; Rohde, J.A.; Rogers, D.F. *Neuropeptides*, Feb. 1993, v. 24 (2), p. 81-89. ISSN: 0143-4179.
Descriptors: bronchoconstriction, drug effects, mucus secretion, trachea secretion.

Effects of acute NO₂ sub (2) exposure in the weanling ferret lung. 1992. Rasmussen, R.E. *Inhalation Toxicology*, 1992, v. 4 (4), p. 373-382.
Descriptors: nitrogen dioxide, toxicity, ferrets.

Multiple motor pathways to single smooth muscle cells in the ferret trachea. 1992. Mitchell, H.W.; Coburn, R.F. *Journal of Physiology Lond.*, 1992, v. 456, p. 557-574.
Descriptors: smooth muscle, cells, trachea, ferrets.

VETERINARY

A dyspneic ferret. 2000. Brown, S.A.; Rosenthal, K.L. *Veterinary Medicine*, Dec. 2000, v. 95 (12), p. 908. ref. ISSN: 8750-7943.

NAL call no: 41.8 M69

Descriptors: ferrets, dyspnea, differential diagnosis, treatment, prognosis.

Esophagostomy feeding tube placement in the ferret. 2000. Fisher, P.G. *Exotic DVM*, 2000, v. 2 (6), p. 23-25. ISSN: 1521-1363.

Descriptors: antibiotics, digestive disorders, liquid diets, tube feeding, ferrets.

Evaluating and stabilizing the critical ferret: Basic diagnostic and therapeutic techniques.

2000. Benson, K.G.; Paul-Murphy, J.; Ramer, J.C. *Compendium on Continuing Education for the Practicing Veterinarian*, May 2000, v. 22 (5), p. 490-497. ref. ISSN: 0193-1903.

NAL call no: SF601.C66

Descriptors: blood sampling, radiography, ultrasonography, catheterization, fluid therapy.

Evaluating and stabilizing the critical ferret: Initial assessment, differential diagnosis and diagnostic plan. 2000. Benson, K.G.; Paul-Murphy, J.; Ramer, J.C. *Compendium on Continuing Education for the Practicing Veterinarian*, Mar. 2000, v. 22 (3), p. 252-259. ref. ISSN: 0193-1903.

NAL call no: SF601.C66

Descriptors: clinical examination, intensive care, dyspnea, vomiting, anorexia.

Managing ferret toxicoses. 2000. Richardson, J.; Balabuszko, R. *Exotic DVM*. 2000, v. 2 (4), p. 23-26. ref. ISSN: 1521-1363.

Descriptors: poisoning, therapy, ferrets.

Nonendoscopic percutaneous gastrostomy tubes in ferrets. 2000. Benson, K.; Carr, A.; Steinberg, H.; Paul-Murphy, J. *Laboratory Animals*, Jul./Aug. 2000, v. 29 (7), p. 44-46. ref. ISSN: 0093-7355.

NAL call no: QL55.A1L33

Descriptors: ferrets, enteral feeding, veterinary equipment, sutures.

Oxyglobin R administration for the treatment of anemia in ferrets. 2000. Orcutt, C. *Exotic DVM*, 2000, v. 2 (3), p. 44-46. Proceedings of the International conference on Exotics, May 12-14, 2000. ref. ISSN: 1521-1363.

Descriptors: anemia, haemoglobin, blood transfusion, ferrets.

Systematic but not intra-intestinal vaccination with BCG reduces the severity of tuberculosis infection in ferrets (*Mustela putorius furo*). 2000. Cross, M.L.; Labes, R.E.; Griffin, J.F.T.; Mackintosh, C.G. *International Journal of Tuberculosis and Lung Disease*, 2000, v. 4 (5), p. 473-480. ref.

Descriptors: tuberculosis, BCG vaccine, bacterial diseases, vaccination.

Cryosurgery of the ferret adrenal gland. 1999. Weiss, C. *Exotic DVM*, 1999, v. 1 (5), p. 27-28.

ref. ISSN: 1521-1363.

Descriptors: adrenal glands, diseases, cryogenic surgery, neoplasms, treatment.

Ferret abdominal surgical procedures. I. Adrenal gland and pancreatic beta-cell tumors.

1999. Wheeler, J.; Bennett, R.A. *Compendium on Continuing Education for the Practicing Veterinarian*, Sept. 1999, v. 21 (9), p. 815-822, ref. ISSN: 0193-1903.

NAL call no: SF601.C66

Descriptors: surgical operations, neoplasms, lymph nodes, adrenal gland disease.

Ferret abdominal surgical procedures. II. Gastrointestinal foreign bodies, splenomegaly, liver biopsy, cystotomy, and ovariohysterectomy. 1999. Wheeler, J.; Bennett, R.A.

Compendium on Continuing Education for the Practicing Veterinarian, Nov, 1999, v. 21 (11), p. 1049-1057. ref. ISSN: 0193-1903

NAL call no: SF601.C66

Descriptors: ferrets, abdomen, surgery, splenomegaly, liver, biopsy, urolithiasis.

Ferret adrenal removal using temporary occlusion of the caudal vena cava. 1999. Bennett,

R.A. *Exotic DVM*, 1999, v. 1 (3), p. 71-74. ISSN: 1521-1363.

Descriptors: vena cava, adrenal glands, surgery, ferrets.

Ferrets. Clinical pathology and sample collection. 1999. Morrisey, J.K.; Ramer, J.C.

Veterinary Clinics of North America : Exotic Animal Practice, 1999, v. 2 (3), p. 553-564.

ISSN: 1094-9194.

Descriptors: diagnosis, methods, blood, parasitology, urine, analysis, physiology.

Ferrets. Examination and preventive medicine. 1999. Ivey, E.; Morrisey, J. *Veterinary Clinics of North America: Exotic Animal Practice*, May 1999, v. 2 (2), p. 471-494. ISSN: 1094-9194.

Descriptors: diseases, prevention, anatomy, histology, restraint, physical examination.

Management of ferret GIT disorders. 1999. Rosenthal, K.L. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1999, v. 13, p.847-848. ref.

NAL call no: SF605.N672

Descriptors: ferrets, gastrointestinal diseases, treatment.

Medical management of ferret adrenal tumors and hyperplasia. 1999. Weiss, C. *Exotic DVM*, 1999, v. 1 (5), p. 38-39. ref. ISSN: 1521-1363.

Descriptors: hyperplasia, neoplasms, adrenal glands, drug therapy.

Ranitidine bismuth citrate and clarithromycin, alone or in combination, for eradication of Helicobacter infection in ferrets. 1999. Marini, R.P.; Fox, J.G.; Taylor, N.S.; Yan, Lili; McColm, A.A.; Williamson, R.; Yan, L.L. *American Journal of Veterinary Research*, 1999, v. 60 (10), p. 1280-1286. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: bismuth, clarithromycin, biopsy, drug therapy, drug combinations.

A clinical guide to the pet ferret. 1997. Ryland, L.M.; Bernard, S.L.; Gorham, J.R. *Practical Exotic Animal Medicine*, 1997, p. 122-129, 155. Ref. ISBN: 1884254330.
NAL call no: SF981.P72 1997
Descriptors: ferrets, care, veterinary medicine.

Dermatology of rabbits, rodents, and ferrets. 1997. Burgmann, P. *Practical Exotic Animal Medicine*, 1997, p. 174-194. ref. The Compendium Collection. ISBN: 1884254330.
NAL call no: SF981.P72 1997
Descriptors: skin diseases, veterinary medicine, pets.

Ferrets, rabbits and rodents: Clinical medicine and surgery. 1997. Hillyer, Elizabeth V.; Quesenberry, Katherine E. Philadelphia: W.B. Saunders, c.1997, xvi, 432 p. ill. ISBN: 0721640230.
NAL call no: SF997.5.F47F47 1997
Descriptors: ferret diseases, surgery, rabbits, rodents.

The collapsed ferret. 1996. Rosenthal, K. *Proceeding of the North American Veterinary Conference*, Eastern States Veterinary Association, 1996, v. 10, p. 875.
NAL call no: SF605.N672
Descriptors: ferrets, collapse, differential diagnosis.

Diagnosis and treatment of insulin-secreting pancreatic islet cell tumors in ferrets: 57 cases (1986-1994). 1996. Hoefer, H.L.; Moroff, S.D. *Journal of the American Veterinary Medical Association*, Nov. 15, 1996, v. 209 (10), p. 1741-1745. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: pancreas islets, neoplasms, symptoms, diagnosis, treatment, prognosis.

Diagnosing and treating endocrine diseases in ferrets. 1996. Kolmstetter, C.M.; Carpenter, J.W.; Morrissey, J.K. *Veterinary Medicine*, 1996, v. 91 (12), p. 1104-1110. ref. ISSN: 8750-7943.
NAL call no: 41.8 M69
Descriptors: pancreatic diseases, neoplasms, diabetes mellitus, endocrine diseases,
Ethylene glycol toxicosis in multiple ferrets (*Mustela putorius furo*). 1996. Larsen, R.S. *Exotic Pet Practice*, 1996, v. 1(11), p. 7. ref.
Descriptors: case reports, ethylene glycol, poisoning, ferrets.

Preventive medicine of ferrets. 1996. Quesenberry, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1996, v. 10, p. 869.
NAL call no: SF605.N672
Descriptors: preventive medicine, vaccination.

Restraint and diagnostic techniques for ferrets. 1996. Morrissey, J.K.; Carpenter, J.W.; Kolmstetter, C.M. *Veterinary Medicine*, Dec. 1996, v. 91 (12), p. 1084, 1086-1087, 1090-1092, 1094-1097. ref. ISSN: 8750-7943.
NAL call no: 41.8 M69
Descriptors: restraint of animals, anesthesia, diagnostic techniques, hematology.

Vaccination of black-footed ferret (*Mustela nigripes*) x Siberian polecat (*M. Eversmanni* hybrids and domestic ferrets)*M. Putorius furo*) against canine distemper. 1996. Williams, E.S. ; Anderson, S.L.; Cavender, J.; Lynn, C.; List, K.; Hearn, C.; Appel,

M.J.G. *Journal of Wildlife Diseases*, 1996, v. 32 (3), p. 417-423. ref. ISSN: 0090-3558.
NAL call no: 41.9 W64B
Descriptors: live vaccines, inactivated vaccines, hybrids, wild animals, antibodies.

Diagnostic exercise: Ataxia and incoordination in ferrets. 1995. Rozengurt, N.; Stewart, D.; Sanchez, S. *Laboratory Animal Science*, Aug. 1995, v. 45 (4), p. 432-436. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ataxia, lung lesions, brain, liver, differential diagnosis, Aleutian disease.

The domestic ferret: A veterinary introduction. 1995. Gandolfi, R.C. *California Veterinarian*, 1995, v. 49 (6), p. 7-10. ref. ISSN: 0008-1612.
Descriptors: husbandry, diets, radiography, oestrus, helminthoses, neoplasms.

Ferret respiratory disease diagnosis. 1995. Rosenthal, K. *North American Veterinary Conference*, 1995, v. 9, p. 582-583.
NAL call no: SF605.N672
Descriptors: ferrets, respiratory disease, diagnosis.

Ophthalmic disorders of rabbits and ferrets. 1995. Murphy, C.J. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1996, v. 9, p. 682-683. ref.
NAL call no: SF605.N672
Descriptors: eye diseases, animal anatomy.

Use of a vascular access system for administration of chemotherapeutic agents to a ferret with lymphoma. 1995. Rassnick, K.M.; Gould, W.J. III; Flanders, J.A. *Journal of the American Veterinary Medical Association*, Feb. 15, 1995, v. 206 (4), p. 500-504. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: drug therapy, drug delivery systems, jugular vein, lymphoma.

Critical care of ferrets, rabbits, and rodents. 1994. Harrenstien, L. *Seminars in Avian and Exotic Pet medicine*, Oct. 1994, v. 3 (4), p. 217-228. ill. ISSN: 1055-937X.
Descriptors: ferret, Rodentia, treatment techniques, diseases, disorders, critical care.

Ferret preventive medicine and clinical techniques. 1994. Hillyer, E.V. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Medical Association, 1994, p. 817-819. ref.
NAL call no: SF605.N672
Descriptors: ferrets, preventive medicine, medical treatment.

Ferret senior citizens and their special needs. 1994. Brown, S. *Journal of Small Exotic Animal Medicine*, 1994, v. 2 (4), p. 169-170.
Descriptors: aging, neoplasms, animal welfare.

Radiographic diagnosis in ferrets. 1994. Rosenthal, K. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Association, 1994, p. 825-826.
NAL call no: SF605.N672
Descriptors: ferrets, radiography, diagnosis.

A technique for vasectomizing male ferrets. 1994. Ryland, L.M.; Lipinski, E. *Canine Practice*, Jan./Feb. 1994, v. 19 (1), p. 25-27. ISSN: 1057-6622.
NAL call no: SF991.A1C3
Descriptors: ferrets, vasectomy.

Working up the ferret with a large spleen. 1994. Hillyer, E.V. *Proceedings of the North American Veterinary Conference*, Eastern States Veterinary Medical Association, 1994, p. 819-821. ref.
NAL call no: SF605.N672
Descriptors: ferrets, spleenomegaly.

Cataracts in a laboratory colony of ferrets. 1993. Miller, P.E.; Marlar, A.B.; Dubielzig, R.R. *Laboratory Animal Science*, 1993, v. 43 (6), p. 562-568. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: eye diseases, cataracts, pathology, eye lens, laboratory animals.

A practitioner's guide to rabbits and ferrets. 1993. Jenkins, Jeffery R.; Brown, Susan A. *The Professional Library Series*, American Animal Hospital Association, c1993. 111 p. col. ill. ISBN: 0941451348.
NAL call no: SF997.5.R2J46 1993
Descriptors: rabbit diseases, ferret diseases.

Veterinary care of birds, rodents, rabbits, ferrets and guinea pigs. May 5, 1993. Pass, David; Scott, Lyndy. *Foundation for Continuing Veterinary Education*, Pub. no. 93/2. c1995 ii, 116 p. ill. Perth, W.A. ISBN: 0869053566.
NAL call no: SF981.V481993
Descriptors: veterinary therapeutics, pet medicine.

Veterinary care for ferrets. 1993. McKay, J.E. *The Veterinary Record*, Mar. 1993, v. 132 (10), p. 256. ISSN: 0042-4900.
NAL call no: 41.8 V641
Descriptors: ferrets, veterinary medicine.

Adrenal function in ferrets: Plasma cortisol and corticosterone responses to synthetic ACTH administration. 1992. Rosenthal, K.L.; Peterson, M.E.; Quesenberry, K.E.; Lothrop, C.D. *Journal of Veterinary Internal Medicine*, 1992, v. 6 (2), p. 109. ISSN: 0891-6640.
Descriptors: corticotropin, blood chemistry, hydrocortisone, adrenal cortex hormones

Distemper vaccination in ferrets. 1992. Oxenham, M. *The Veterinary Record*, 1992, v. 130 (25), p. 563-564. ref. ISSN: 0042-4900.
NAL call no: 41.8 V641
Descriptors: viral diseases, vaccines, ferrets.

Gastrointestinal foreign body in ferrets: 25 cases (1986-1990). 1992. Mullen, H.S.; Scavelli, T.D.; Quesenberry, K.E.; Hillyer, E. *Journal of the American Animal Hospital Association*, 1992, v. 28 (1), p. 13-19. ref. ISSN: 0587-2871.
Descriptors: surgical operations, foreign bodies, obstruction, case reports.

Transfusions in exotic species. 1992. Hoefer, H.L. *Problems in Veterinary Medicine*, 1992, v. 4 (4), p. 625-635. ref. ISSN: 1041-0228.
Descriptors: haematology, haemorrhage, blood groups, blood transfusion, ferrets.

Bleomycin chemotherapy for metastatic squamous cell carcinoma in a ferret. 1991. Hamilton, T.A.; Morrison, W.B. *Journal of the American Veterinary Medical Association*, Jan. 1, 1991, v. 198 (1), p. 107-108. ref. ISSN: 0003-1488.
NAL call no: 41.8 Am3
Descriptors: drug therapy, antineoplastic agents, dosage, metastasis, lymph nodes.

Tonometry in clinically normal ferrets (*Mustela putorius furo*). 1991. Sapienza, J.S.; Porcher, D.; Collins, B.R.; Gum, G.G.; Brooks, D.E. *Progress in Veterinary and Comparative Ophthalmology*, 1991, v. 1 (4), p. 291-294. ref.
Descriptors: sense organs, pressure, measurements, eyes.

Evaluation of an inactivated rabies virus vaccine in domestic ferrets. 1990. Rupprecht, C.E.; Gilbert, J.; Pitts, R.; Marshall, K.R.; Koprowski, H. *Journal of the American Veterinary Medical Association*, May 15, 1990, v. 196 (10), p. 1614-1616. ref. ISSN: 0003-1488.
NAL call no: 41.8 AM3
Descriptors: ferrets, rabies, inactivated vaccines, disease prevention.

Thyroid and adrenal function tests in adult male ferrets. 1990. Heard, D.J.; Collins, B.; Chen, D.L.; Coniglario, J. *American Journal of Veterinary Research*, Jan. 1990, v. 51 (1), p. 32-35. ref. ISSN: 0002-9645.
NAL call no: 41.8 Am3A
Descriptors: thyroid function, adrenals, diagnostic techniques, hormones.

Coma in a ferret after infestation of Cannabis. 1988. Smith, R.A. *Comparative Toxicology*, Oct. 1988, v. 30 (5), p. 486. ref. ISSN: 0145-6296.
NAL call no: SF601.A47
Descriptors: ingestion toxicity, coma, cannabis, ferret.

Diagnostic exercise: A bony growth of the skull in a ferret. 1987. Jensen, W.A.; Myers, R.K.; Merkley, D.F. *Laboratory Animal Science*, Dec. 1987, v. 37 (6), p. 780-781. ill. ref.
ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: skulls, bone disorders, neoplasms, diagnosis, ferrets.

The domestic ferret: A guide for the veterinary practitioner. 1987. Cornish, K.C.; Hagemoser, W.A. *Iowa State University Veterinarian*, 1987, v. 49 (2), p. 94-104. ref.
ISSN: 0099-5266.
NAL call no: 41.8 V6425
Descriptors: ferrets, guide, animal husbandry.

Adrenalectomy in the ferret. 1985. Filion, D.L.; Hoar, R.M. *Laboratory Animal Science*, Jun. 1985, v. 35 (3), p. 294-295. ref. ISSN: 0023-6764.
NAL call no: 410.9 P94
Descriptors: ferrets, adrenalectomy.

Intravenous infusion in ferrets. 1985. Greener, Y.; Gilles, B. *Lab Animal*, Sept. 1985, v. 14 (6), p. 41-44. ill. ref. ISSN: 0093-7355.
NAL call no: QL55.A1L33
Descriptors: injections, blood sampling, catheters, pain, stress, laboratory techniques.

A procedure for descending ferrets. 1984. Rowley, J. *Modern Veterinary Practice*, May 1984, v. 65 (5), p. 389-390. ISSN: 0362-8140.
NAL call no: 41.8 N812
Descriptors: ferrets, descending procedure.

Anal sac resection in the ferret (Surgical technique). 1983. Creed, J.E. *Current Techniques in Small Animal Surgery*, Lea & Febiger, Philadelphia (2nd ed.) P. 526-528. ill. ref.
NAL call no: SF911.A1C8
Descriptors: anal sac resection, ferret.

Contact transmission of distemper virus in ferrets. 1978. Shen, D.T.; Gorham, J.R. *Research in Veterinary Science*, Jan. 1978, v. 24 (1), p. 118-119. ref. ISSN: 0034-5288.
NAL call no: 41.8 R312
Descriptors: ferrets distemper virus, disease transmission.

VIRUSES

DNA vaccination of ferrets with chimeric influenza A virus hemagglutinin (H3) genes. 2002. Ljungberg, Karl; Kolmskog, Camilla; Wahren, Britta; van Amerongen, Geert; Baars, Marianne; Osterhaus, Albert; Linde, Annika; Rimmelzwaan, Guus. *Vaccine*, May 15, 2002, v. 20 (16), p. 2045-2052. ISSN: 0264-410X. www.elsevier.com/locate/vaccine.
Descriptors: immune system, molecular genetics, biochemistry.

Pathogenesis of avian influenza A (H5N1) viruses in ferrets. 2002. Zitzow, Lois A.; Rowe, Thomas; Morken, Timothy; Shieh, Wun Ju.; Zaki, Sherif.; Katz, Jacqueline M. *Journal of Virology*, May 2002, v. 76 (9), p. 4420-4429. ISSN: 0022-538X.
Descriptors: disease models, ferrets, influenza A, lung pathology, virus replication.

Ferrets as a transmission model for influenza: Sequence changes in HA1 of type A (H3N2) virus. 2001. Herlocher, M.L.; Elias, S.; Truscon, R.; Harrison, S.; Mindell, D.; Simon, C.; Monto, A.S. *Journal of Infectious Diseases*, 2001, v. 184 (5), p. 542-546. ISSN: 0022-1899.
Descriptors: animal models, disease transmission, influenza virus, ferrets.

Pathogenesis of two strains of lion (*Panthera leo*) morbillivirus in ferrets (*Mustela putorius furo*). 2001. Evermann, J.F.; Leathers, C.W.; Gorham, J.R.; McKeirnan, A.J.; Appel,

M.J.G. *Veterinary Pathology*, May 2001, v. 38 (3), p. 311-316. ref. ISSN: 0300-9858.

NAL call no: 41.8 P27

Descriptors: ferrets, morbillivirus, strains, pathogenesis, histopathology.

Serologic evaluation, efficacy, and safety of a commercial modified-live canine distemper vaccine in domestic ferrets. 2001. Wimsatt, Jeffery; Jay, Michele T.; Innes, Kim E.; Jessen, Michael; Collins, James K. *American Journal of Veterinary Research*, May 2001, v. 62 (5), p. 736-740. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: distemper, prevention, symptoms, viral disease, ferret

Coronavirus-associated epizootic catarrhal enteritis in ferrets. 2000. Williams, B.H.; Kiupel, M.; West, K.H.; Raymond, J.T.; Grant, C.K.; Glickman, L.T. *Journal of the American Veterinary Medical Association*, Aug. 15, 2000, v. 217 (4), p. 526-530. ref. ISSN: 0003-1488.

NAL call no: 41.8 Am3

Descriptors: ferrets, coronavirus, enteritis, clinical aspects, lesions, etiology.

Definition of neuronal circuitry controlling the activity of phrenic and abdominal motoneurons in the ferret using recombinant strains of pseudorabies virus. 2000. Billig, I.; Foris, J.M.; Enquist, L.W.; Card, J.P.; Yates, B.J. *Journal of Neuroscience*, 2000, v. 20 (19), p. 7446-7454. ISSN: 0270-6474.

Descriptors: motor neurons, abdomen, circuits, phrenic nerve, ferrets.

Mucosal vaccination with recombinant poxvirus vaccines protects ferrets against symptomatic CDV infection. 1999. Welter, J.; Taylor, J.; Tartaglia, J.; Paoletti, E.; Stephensen, C.B. *Vaccine*, 1999, v. 17 (4), p. 308-318. ref. ISSN: 0264-410X.

Descriptors: recombinant vaccines, immunization, viral diseases, ferrets.

Oral administration of a prodrug of the influenza virus neuraminidase inhibitor GS 4071 protects mice and ferrets against influenza infection. 1998. Mendel, D.B.; Tai, C.Y.; Escarpe, P.A.; Li, W.; Sidwell, R.W.; Huffman, J.H.; Sweet, C.; Jakeman, K.J.; Merson, J.; Lacy, S.A.; Lew, W.; Williams, M.A.; Zhang, L.; Chen, M.S.; Bischofberger, N.; Kim, C.U. *Antimicrobial Agents and Chemotherapy*, 1998, v. 42 (3), p. 640-646. ISSN: 0066-4804.

Descriptors: exo-alpha-sialidase, GS-4071, antiviral agents, inhibitors, animal models.

Viral excretion in domestic ferrets (*Mustela putorius furo*) inoculated with a raccoon rabies isolate. 1998. Niezgoda, M.; Briggs, D.J.; Shaddock, J.; Rupprecht, C.E. *American Journal of Veterinary Research*, Dec. 1998, v. 59 (12), p. 1629-1632. ref. ISSN: 0002-9645.

NAL call no: 41.8 Am3A

Descriptors: ferrets, rabies virus, pathogenesis, brain, salivary glands, shedding.

Pathogenesis of experimentally induced rabies in domestic ferrets. 1997. Niezgoda, M.;

Briggs, D.J.; Shaddock, J.; Dreesen, D.W.; Rupprecht, C.E. *American Journal of Veterinary Research*, 1997, v. 58 (11), p. 1327-1331. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: rabies, pathogenesis, diagnosis, brain, salivary glands, clinical aspects.

Protective vaccination of ferrets against canine distemper with recombinant pox virus vaccines expressing H or F genes of rinderpest virus. 1997. Jones, L.; Tenorio, E.;

Gorham, J.; Yilama, T. *American Journal of Veterinary Research*, Jun. 1997, v. 58 (6), p. 590-593. ref. ISSN: 0002-9645.

NAL call no: 41.8 Am3A

Descriptors: ferrets, vaccination, recombinant vaccines, efficacy, safety, viral proteins.

Identification of a DNA segment in ferret Aleutian disease virus similar to a hypervariable capsid region of mink Aleutian disease parvovirus. 1996. Saifuddin, M.; Fox, J.G.

Archives of Virology, 1996, v. 141 (7), p. 1329-1336. ref. ISSN: 0304-8608.

NAL call no: 448.3 Ar23

Descriptors: Aleutian disease virus, strains, genetic variation.

Induction and relief of nasal congestion in ferrets infected with influenza virus. 1995. Chen, K.S.; Bharaj, S.S.; King, E.C. *International Journal of Experimental Pathology*, Feb.

1995, v. 76 (1), p. 55-64. ref. ISSN: 0959-9673.

Descriptors: rhinitis, nasal obstruction, influenza complications, drug therapy.

Pathologic changes in ferrets exposed to pseudorabies virus. 1976. Ohshima, K.; Gorham,

J.R.; Henson, J.B. *American Journal of Veterinary Research*, May 1976, v. 37 (5), p. 591-596. ill. ref. ISSN: 0002-9645.

NAL call no: 41.8 AM3A

Descriptors: ferrets, Aujeszky disease, experimental infection, lesions, histopathology.

Quantitative studies of pseudorabies virus in mink, ferrets, rabbits and mice. 1971. Goto,

H.; Burger, D.; Gorham, J.R. *Japanese Journal of Veterinary Science*, Jun. 1971, v. 33 (3), p. 145-153. ref. ISSN: 0021-5295.

NAL call no: 41.8 J27

Descriptors: laboratory animals, aujeszky virus.

SELECTED FERRET WEB SITES

The American Ferret Association.

www.ferret.org/

General information on the ferret, show lists, shelter lists, links, etc.

Ferret Books.

www.ferretbooks.com/

Books on general ferret care, books for veterinarians, etc.

Ferret Central.

www.ferretcentral.org/

FAQ's, photo gallery, resources and links to many information sources.

Ferret clinic.

www.ferretnews.org/clinic.html

By Drs Steven M. Sanders, Ruth Adams and Suzanne Lee, Cottage Veterinary Hospital. Information on ferret diseases and e-mail questions to Dr. Lee.

Ferret Doctor.

www.ferretdoctor.com/ferret/

By Dr. Weiss. Ferret medical information, publications, video on Spleenomegaly by Dr. Bruce Williams and others. Gastric ulcers/Heliobacter mustela and skin tumors. Medical FAQ index.

Ferret Health Care.

www.miamiferret.org/fhc/

Adrenal disease and Insuloma in the domestic ferret and other diseases and health conditions. Ferret blood values.

Ferret Net.

www.ferret.net

General ferret information, ferret mailing list, training ferrets, ferret medical information, products, organizations.

Ferret Owner's Manual.

www.thechipster.com/fert-man.html/

By Dick Bossart. Information on care, housing, food, behavior, vaccination, grooming, toys, health tips, etc.

Ferret Spleenomegaly FAQ.

www.rud.dk/ferrets/faqhtml/med/spleen.html

Information on spleenomegaly by Dr. Bruce Williams and others. Gastric ulcers/Heliobacter mustela and skin tumors. Medical FAQ index.

The Ferret Trading Post.

www.ferrettradingpost.com/

Food, supplies, treats, toys, hammocks, beds, care information.

Ferret Universe.

www.ferret-universe.com/

General information on ferret care, veterinary care, diseases, chat room and message board.

Ferret Web.

www.ferretweb.com

Information on health care, food and treats, homes and bedding, accessories.

Modern Ferret Magazine.

www.modernferret.com

Ferret lifestyle magazine. Care information, tips, How to articles, etc.

NetVet Ferrets.

<http://netvet.wustl.edu/ferret.htm>

From the Electronic Zoo site. Links to many ferret web sites and a very interesting web site overall.

Pathology of the Domestic Ferret.

www.afip.org/ferrets

By Bruce H. Williams, DVM. Medical consultation, feeding sick ferret, listing of veterinary resources by state, disease information, pathology and other information.

Totally Ferret.Com

www.totallyferret.com

Information on ferret nutrition and diets for ferrets, health and nutrition, links for ferret information and organizations.

National Agricultural Library Document Delivery Services Branch



Services Available to Individuals

The National Agricultural Library (NAL) supplies agricultural materials not found elsewhere to other libraries and information centers. Submit requests **first to your local library resources**. In the United States, possible sources are public libraries, state libraries, land-grant university or other large research libraries within a state. In other countries submit requests through major university, national, or provincial institutions.

If the publications are not available from these sources, have your library submit requests to NAL with a statement indicating their non-availability. Submit one request per page following the information below.

Information for the Library (The following information is provided to assist your librarian in obtaining the required materials.)

Interlibrary Loan Service -- Photocopies are available on interlibrary loan for a fee. Submit a separate interlibrary loan form or request for each item. If the citation is from an NAL database (AGRICOLA, *Bibliography of Agriculture*, or the NAL Catalog) and the call number is given, please include it. Willingness to pay charges must be indicated on the form. Materials in NAL's collection are loaned only to other U.S. and Canadian libraries. The following materials are not loaned: serials; rare, reference, and reserve books; microforms; and proceedings of conferences or symposia. Photocopy or microform of non-circulating publications may be requested for a fee provided that the request does not exceed 50 pages per item. Request must also include copyright compliance -- Pre-printed forms must contain your signature to indicate copyright compliance. On e-mail requests include the complete Statement of Copyright Compliance ("I have read the warning on copyright restrictions and accept full responsibility for compliance."), **your full name, date, and telephone number in each request**. Libraries may indicate compliance by including the initials of one statement, either "CCL" for compliance with the copyright law or "CCG" for compliance with Copyright Guidelines or a statement that the request complies with U.S. Copyright Law or other acceptable copyright laws (i.e. IFLA, CLA, etc.). Libraries must also provide authorizing official's name. Requests will be rejected if this information is not included.

Charges:

- Photocopy from paper, or paper copy of microfilm and microfiche for domestic delivery -- \$13.00 up to 50 pages. Photocopy from paper, or paper copy of microfilm and microfiche for international delivery -- \$16.00 up to 50 pages. (International delivery via Internet is \$13.00.)
- Duplication of NAL-owned microfilm -- \$20.00 per reel
- Duplication of NAL-owned microfiche -- \$13.00 for each 5 fiche

Billing -- Charges include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Phone: (703) 605-6640. Establishing a deposit account with NTIS is encouraged. **DO NOT SEND PREPAYMENT**.

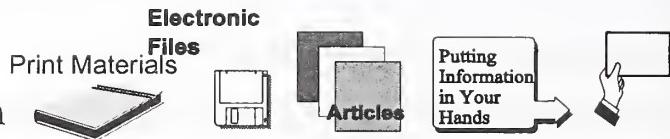
Send Requests to:

USDA, National Agricultural Library
Document Delivery Services Branch, PhotoLab
10301 Baltimore Ave., NAL Bldg.
Beltsville, Maryland 20705-2351

FAX: 301-504-5675
Ariel IP address: ariel.nal.usda.gov
E-mail: lending@nal.usda.gov

Contact the Access Services, Document Delivery Services Branch at (301) 504-6503 or via Internet at access@nal.usda.gov with questions or comments about this policy.

National Agricultural Library Document Delivery Services Branch



Services Available to Libraries, Institutions and Organizations

The National Agricultural Library (NAL) accepts requests from libraries and other organizations in accordance with the national and international interlibrary loan code and guidelines. In its national role, NAL supplies copies of agricultural materials not found elsewhere. Submit requests to major university libraries, national or provincial institutions or network sources prior to sending requests to NAL. If the needed publications are not available from these sources, submit requests to NAL with a statement indicating their non-availability.

Materials in NAL's collection are not loaned outside the United States; however, copies of materials may be provided. There is a limit of 50 pages per item to comply with copyright law.

AGLINET -- Requesters in countries with an AGLINET library are encouraged to make full use of that library and its networking capabilities. As an AGLINET participant, NAL provides free document delivery service for materials published in the United States to other AGLINET participants.

Requests -- Submit requests on the American Library Association (ALA) or the International Federation of Library Associations and Institutions (IFLA) interlibrary loan form, or via electronic mail, Ariel™, or facsimile. (See further details under *For Electronic Access and Delivery* below.)

Charges:

- Photocopy, paper copy of microfilm and microfiche – \$13.00 up to 50 pages if mailed to domestic address. \$16.00 if mailed to international address. \$13.00 if sent via Internet.
- Duplication of NAL-owned microfilm-\$20.00 per reel
- Duplication of NAL-owned microfiche-\$13.00 for each 5 fiche or portion thereof
- Loans – \$15.00 per loan

Billing -- Charges include postage and handling, and are subject to change. Invoices are issued quarterly by the National Technical Information Service (NTIS), 5285 Port Royal Road, Springfield, VA 22161. Phone: (703) 605-6640. Establishing deposit accounts with NTIS is encouraged. Annual billing is available on request by contacting NAL at the address below. **DO NOT SEND PREPAYMENT.** You will be invoiced.

For postal service delivery send requests to: USDA National Agricultural Library
PhotoLab
Document Delivery Services Branch
10301 Baltimore Ave., NAL Bldg.
Beltsville, Maryland 20705-2351

For electronic access and delivery :

The Document Delivery Services Branch accepts ILL requests from libraries via several electronic methods. All requests must comply with established routing and referral policies and procedures. A sample format for ILL requests follows.

INTERNET.....lending@nal.usda.gov
Start the subject line with one word format:

3 letter month abbreviation + day + NAL + # of request placed that day,
For Example: jul25NAL4 (if this is the fourth request on July 25).
For Example: jul 25NAL1-4 (if this is four requests submitted at one time)

National Agricultural Library Document Delivery Services Branch



OCLC.....AGL

TELEFACSIMILE.....301-504-5675

Requests can be created on standard ILL forms and then faxed. NAL will fill via FAX at no additional cost if FAX number is included on request. NAL will send up to 30 pages per article. If request exceeds 30 pages, NAL will ship via postal service. There is no RUSH service.

ARIEL™ariel.nal.usda.gov

NAL will fill the request via ARIEL™ if the ARIEL™ address is included in the request. NAL treats ARIEL™ at an alternative delivery mechanism--not an expedited service. NAL will send up to 30 pages per article via ARIEL™. If request exceeds 30 pages, NAL will ship via postal service.

Required data elements for all requests:

- Complete mailing information for all requests regardless of method of delivery. (Borrower's Fax number or ARIEL™ IP address if delivery by either of these methods is desired.)
- Complete citation including verification (source of citation) and NAL call number if available.
- Date after which item is no longer needed.
- Copyright Compliance -- Pre-printed forms must contain your signature to indicate copyright compliance. On e-mail requests include the complete Statement of Copyright Compliance. Libraries may indicate compliance by including the initials of one statement, either "CCL" for compliance with the copyright law or "CCG" for compliance with Copyright Guidelines or a statement that the request complies with U.S. Copyright Law or other acceptable copyright laws (i.e. IFLA, CLA, etc.). Libraries must also provide authorizing official's name. Requests will be rejected if this information is not included.
- Maximum cost you are willing to pay for billing purposes.

Sample Electronic Mail Request

(Your Institutions Name)/NAL JUL25NAL1 Date Not Needed After: 9/25/00

(Your Department or Office
Your University Library or Institution
City, State or Province, Country, Mail Code)

Dr. Smith (patron name) Biology Dept. (patron office)
Canadian Journal of Soil Science 1988 v 68(1): 17-27 (complete citation)
De Jong, R. Comparison of two soil-water models under semi-arid growing conditions

NAL Call Number: 56.8 C162 **Ver:** AGRICOLA

Remarks: Not available at university or in region

Authorized by: Charles Johnson

CCL

Maxcost: \$15.00

Date: mm/dd/yr

(your) Phone# (301)555-1234

(your) Fax#: (301)555-5678

(your) ARIEL IP Address: 111.222.333.444.555

Contact the Access Services Librarian, Document Delivery Services Branch at (301) 504-6503 or via Internet at access@nal.usda.gov with questions or comments about this policy.

Services Available to USDA Employees

Copies or loans of NAL materials are provided free-of-charge in response to job-related requests. Requests for materials may be submitted onsite in person, electronically (via ARIEL™, email or facsimile) or by U.S. Postal Service. Employees eligible for service from a local library such as ARS field libraries or Forest Service libraries should make use of these resources before contacting the National Agricultural Library (NAL).

Copy Service

A single copy may be provided, in lieu of loan, from materials in the NAL collection. All requests must indicate compliance with copyright restrictions. Providing complete, accurate citations and the NAL call number for a document (if available) will speed the processing of requests.

Loan Service

The loan period for NAL materials is one month. Loans may be renewed for an additional month if no one else is waiting to use the material. Make renewal requests in writing or by calling (301) 504-5755 prior to the due date.

Booking Audiovisuals

Submit request at least 3-4 weeks before the intended show date when requesting specific audiovisual titles. Specify the particular format preferred if more than one format is given in the citation. To renew audiovisuals or inquire about booking audiovisual materials call (301) 504-5994.

Copies from Non-Circulating Materials

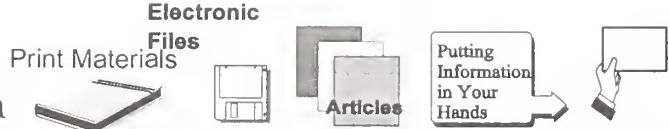
The following materials are non-circulating: Serials (except for USDA serials); rare, reference, and reserve books; microforms; and proceedings of conferences or symposia. Although these materials may not be borrowed if NAL only owns one copy, requests may be filled in the form of a microform or paper copy if your request indicates copyright compliance. Please indicate on your original request form if a copy of the material is acceptable in place of a loan.

Delivery Options

Electronic delivery is the preferred method of document delivery at NAL. Copies of journal articles and duplicated microform materials are delivered by facsimile, ARIEL™, or U.S. Postal Service. Copies of material will be delivered electronically whenever a fax number or ARIEL™ IP address appears on the request. Books borrowed from other sources will be delivered by FedEx to ensure their safety and receipt.

Interlibrary Borrowing or Purchase

If materials are not available at the NAL, we will try to obtain them from another source. Turnaround time on interlibrary loans varies depending on location and availability of materials. If an item cannot be obtained through borrowing, NAL will attempt to purchase it, which also adds to the turnaround time.



How to Format Requests

All requests, regardless of format, **must** include the data elements listed below. A separate request form must be submitted for each document. When requesting via e-mail, however, more than one request form may be included in the same e-mail message.

Required Data Elements

- Borrower's name, full mailing address, and USDA or other eligible agency name. On e-mail requests this information must be in block format with at least two blank lines above and below so form may be used in a window envelope.
- Complete citation including verification (source of citation) and NAL call number if available.
- Date after which item is no longer needed.
- Copyright Compliance
 - Pre-printed forms must contain your signature to indicate copyright compliance. On e-mail requests include the complete Statement of Copyright Compliance ("I have read the warning on copyright restrictions and accept full responsibility for compliance"), **your full name, date, and telephone number in each request**. Libraries may indicate compliance by including the initials of one statement, either "CCL" for compliance with the copyright law or "CCG" for compliance with Copyright Guidelines. Requests will be rejected if this information is not included.
- Fax number or ARIEL™ IP address (if delivery by either of these methods is desired).

E-Mail Request Procedures

E-mail: lending@nal.usda.gov

Electronic mail requests may be sent via the Internet to the address above. Multiple requests may be included in a single message if they are complete unto themselves, contain all of the required data elements and closely resemble the samples below. Each request within a message must be formatted as an individual request complete with name, address, copyright compliance, and request ID number. Use the following standardized number format to identify the requests included in the e-mail message:

1st request sent to NAL on July 25 will be jul25NAL1

2nd request sent to NAL on July 25 will be jul25NAL2

Each request should cite this identification number on the request form. The number or range of numbers if more than one request is included in the same e-mail message (ex: jul25NAL1-4) should also appear in the subject line of the e-mail message.

ARIEL™ Request Procedures

NAL IP Address: ariel.nal.usda.gov

ARIEL™ is a document delivery software package (available from Research Libraries Group) which allows documents to be scanned and sent over the Internet. Requests can be submitted via email, mail, etc., or created on one of the standard forms listed under "Mail" below, scanned and sent to NAL's IP address. If an ARIEL™ 'receive only' package is loaded on to your computer you can receive and print articles at your desktop. If an ARIEL™ address is included in a request, NAL will deliver up to 30 pages per article via ARIEL™. If the article length exceeds 30 pages or cannot be scanned reliably, NAL will deliver the material via Postal Service. For more information about this software (including equipment requirements) visit RLG's ARIEL™ WWW site (http://www.rlg.org/cgi-bin/print_hit_bold.pl/ariel.html).



Mail & Fax Requests

Requests may be sent to NAL via the U.S. Postal Service or facsimile. Requests should be submitted using one of the standard forms listed below.

- AD-245 (available from USDA procurement)
- CALS Printout - copy & complete the address & copyright information from the AD245 on to the back of the CALS printout.
- Individual Request Form (IRF)
- ALA or FILLS Interlibrary Loan Form

Mailing Address:

Fax Number: (301) 504-5675

National Agricultural Library
Document Delivery Services Branch, 6th Floor
10301 Baltimore Avenue
Beltsville, MD 20705-2351

Sample Electronic Mail Request

JUL25NAL1

Date Not Needed After: 8/25/2000

Richard Smith
ARS, USDA
Research Station
Heartland, IA 56789

Canadian Journal of Soil Science 1988 v 68(1): 17-27
De Jong, R. Comparison of two soil-water models under semi-arid growing conditions.

NAL Call Number: 56.8 C162

Ver: AGRICOLA

I have read the warning on copyright restrictions and accept full responsibility for compliance

Richard Smith 7/25/00
(your) Fax#: (301)555-5678

Phone# (301)555-1234
(your) ARIEL IP Address: 111.222.333.444.555

